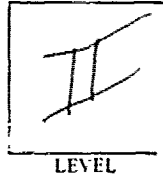


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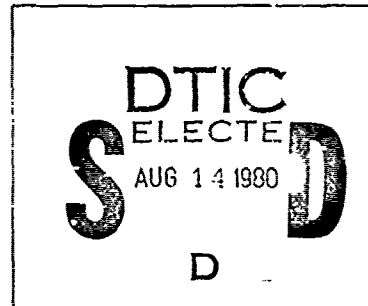
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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

NURNBERG GERMANY/FURTH
N 49 30 E 011 05 ELEV 1053 FT EDDN

WBAN# 34177
WMO# 10753

PARTS A, C, D, E, F

POR FROM HOURLY OBS: JAN 55-DEC 70

OCT 25 1972

FEDERAL BUILDING
ASHEVILLE, N. C.

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-80/60	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSWO)-Nurnberg Germany/Furth	5. TYPE OF REPORT & PERIOD COVERED Final rept.																
7. AUTHOR(s)	6. PERFORMING ORG. REPORT NUMBER																
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225	8. CONTRACT OR GRANT NUMBER(s)																
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225	10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS	12. REPORT DATE 25 Oct 72															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	13. NUMBER OF PAGES																
	15. SECURITY CLASS. (of this report) UNCLASSIFIED																
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Nurnberg Germany/Furth. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Germany - **Nurnberg Germany/Furth

20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

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DATA PROCESSING DIVISION
USAFETAC OL-1
AIR WEATHER SERVICE (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION DATA NOT AVAILABLE

SNOWFALL DATA NOT AVAILABLE

SNOW DEPTH DATA NOT AVAILABLE

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKY COVER

PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE DATA NOT AVAILABLE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

34177	NURNBERG GERMANY/FURTH	N 49 30	E 011 05	1053	FMG	10/63
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	STATION ELEVATION	STATION ELEVATION UNIT	DATE
			FROM	TO					
1	Nurnberg Germany, Furth	G2MO	Jan 55	Dec 70	N 49 30	E 011 05	1053	1063	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 55 to Dec 70	Not Available.	N/A	N/A	N/A	Data from Magnetic Tape from Germany

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ETAC/USAF
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ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing Snow - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0		.7	13.8	.0	21.8	33.5	3.6	.1		37.2	11904
FEB		.0	9.7	.2	12.9	.1	21.3	26.7	3.9	.1		30.7	10848
MAR		.0	10.7	.0	5.9	.0	16.0	17.0	4.2			21.1	11904
APR		.3	12.0		2.1	.1	13.5	12.0	1.0			13.0	11520
MAY		.6	11.2		.1	.0	11.4	9.6	.5			10.1	11904
JUN		1.4	10.1			.0	10.1	8.6	.3			8.9	11520
JUL		1.3	8.1			.0	8.1	10.3	.8			11.1	11904
AUG		1.1	10.1			.0	10.1	12.6	.8			13.4	11904
SEP		.2	8.6				8.6	21.8	1.3			23.1	11520
OCT		.0	10.9		.1	.0	11.0	34.9	2.8			37.7	11904
NOV		.0	12.4	.1	3.9	.0	15.8	33.9	1.1			35.1	11520
DEC			12.0	.6	10.7	.0	22.1	35.3	2.0	.0		37.3	11904
TOTALS		.4	10.3	.1	4.1	.0	14.2	21.4	1.9	.0		23.2	140256

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	SLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02	.1	7.9	.7	12.0	.1	20.0	36.0	.7			36.4	1488
	03-05		7.7	.7	15.1	.1	22.6	36.2	.6	.1		37.0	1488
	06-08	.1	8.9	1.3	15.5		24.7	43.3	.5	.1		43.8	1488
	09-11		8.4	.6	16.9		24.5	35.7	4.9			40.6	1488
	12-14		9.1	.7	12.5		21.4	17.5	9.9			27.4	1488
	15-17		5.5	.1	11.7		19.6	26.9	7.9	.1		34.9	1488
	18-20		8.1	.7	13.2		21.0	35.9	3.4	.1		39.3	1488
	21-23		7.1	.9	13.7		20.6	36.8	1.0	.1		37.2	1488
TOTALS		.0	8.2	.7	13.6	.0	21.8	33.5	3.6	.1		37.2	11904

1

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WEATHER CONDITIONS

34177 NURNBERG GERMANY/FURTH 55-70 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OF DRIZZLE	FREEZING RAIN & OF DRIZZLE	SNOW AND OF SLEET	HAR	% OF OPS WITH PRECIP	FOG	SMOKE AND OF HAZE	BLOWING SNOW	DUST AND OF SAND	% OF OPS WITH OBS TO VISION	TOTAL NO OF OBS
FEB	00-02	.1	8.6	.4	13.5	.2	21.8	34.4	1.0	.1		35.5	1356
	03-05		10.5	.2	15.6		25.0	33.8	.4	.1		34.4	1356
	06-08		9.1	.4	15.0		23.9	40.9	1.2			42.0	1356
	09-11		9.1		14.0	.1	22.1	25.8	6.5	.1		32.4	1356
	12-14		9.7		10.9		19.7	9.1	8.3	.2		17.6	1356
	15-17		8.9		10.1	.1	18.6	13.0	8.3			21.2	1356
	18-20	.1	8.6		11.9	.1	19.8	25.8	4.5			30.3	1356
	21-23		7.7	.2	12.2		19.5	31.0	1.3			32.3	1356
TOTALS		.4	9.0	.2	12.9	.1	21.3	26.7	3.9	.1		30.7	10848

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177 NURNBERG GERMANY/FURTH

55-70

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		9.4	.1	5.3		14.0	23.6	1.9			25.1	1488
	03-05		10.6		6.7		16.8	28.1	.9			29.0	1488
	06-08		11.9	.1	7.9		18.9	36.5	2.6			39.0	1488
	09-11		11.3		6.2	.1	16.7	11.0	9.2			26.2	1488
	12-14		11.1		6.0	.1	16.6	2.2	5.3			7.5	1488
	15-17	.1	11.3		4.7	.1	15.8	2.9	4.4			7.3	1488
	18-20	.1	10.3		5.4		15.2	12.3	6.9			19.2	1488
	21-23		9.7		5.2		14.4	19.0	2.7			21.7	1488
TOTALS		.0	10.7	.0	5.9	.0	16.0	17.0	4.2			21.1	11904

1
DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02		10.3		2.7		12.0	16.7				16.7	1440
	03-05		11.2		3.3	.1	13.9	29.9				29.9	1440
	06-08		12.8		3.5	.1	15.6	26.0	2.4			28.5	1440
	09-11	.1	13.7		2.2	.1	15.1	5.0	2.6			7.6	1440
	12-14	.7	13.1		1.6	.1	14.2	1.2	.6			1.8	1440
	15-17	.6	12.5		1.5	.2	13.5	.7	1.0			1.7	1440
	18-20	.8	12.0		.6		12.5	5.5	1.1			6.6	1440
	21-23	.3	10.2		1.5		11.2	10.8				10.8	1440
TOTALS		.3	12.0		2.1	.1	13.5	12.0	1.0			13.0	11520

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREZZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.5	11.8		.2		12.0	14.2				14.2	1488
	03-05	.3	10.3		.3	.1	10.6	33.1				33.1	1488
	06-08	.1	12.4		.4		12.8	16.5	2.2			18.6	1488
	09-11	.2	11.9				11.9	1.6	.9			2.6	1488
	12-14	.9	11.0			.1	11.0	.3	.3			.5	1488
	15-17	.8	11.7			.1	11.8	.3	.3			.7	1488
	18-20	.9	10.6				10.6	3.4	.4			3.8	1488
	21-23	.9	10.1		.1		10.1	7.3	.1			7.4	1488
TOTALS		.6	11.2		.1	.0	11.4	9.6	.5			10.1	11904

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.5	11.0				11.0	12.4	.1			12.5	1440
	03-05	.4	9.3				9.3	30.6	.1			30.7	1440
	06-08	.1	9.0				9.0	13.6	1.3			14.9	1440
	09-11	.6	9.4				9.4	1.5	.7			2.2	1440
	12-14	2.2	10.5				10.5	.5	.1			.6	1440
	15-17	2.4	10.5			.1	10.6	.1	.1			.2	1440
	18-20	2.8	10.8			.1	10.8	2.9	.1			3.1	1440
	21-23	2.0	10.4				10.4	7.1				7.1	1440
TOTALS		1.4	10.1			.0	10.1	8.6	.3			8.9	11520

1
DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	.9	7.1				7.1	15.3	.1			15.4	1488
	03-05	.8	8.8				8.8	36.8	.1			36.9	1488
	06-08	.3	8.5				8.5	17.3	2.8			20.2	1488
	09-11	.5	7.7			.1	7.8	2.4	2.1			4.5	1488
	12-14	1.7	8.4				8.4	.7	.5			1.1	1488
	15-17	3.0	7.9			.1	7.9	.8	.3			1.1	1488
	18-20	1.9	7.3				7.3	2.8	.4			3.2	1488
	21-23	1.6	9.1				9.1	6.2	.1			6.3	1488
TOTALS		1.3	8.1			.0	8.1	10.3	.8			11.1	11904

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	1.0	9.2				9.2	18.6				18.6	1488
	03-05	.1	10.1				10.1	34.7				34.7	1488
	06-08	.6	11.8				11.8	24.8	1.3			26.1	1488
	09-11	.4	10.5				10.5	4.1	3.0			7.1	1488
	12-14	1.3	10.3				10.3	1.1	.7			1.8	1488
	15-17	2.4	10.1				10.1	1.0	.4			1.4	1488
	18-20	2.2	9.7			.1	9.8	5.2	.8			6.0	1488
	21-23	.9	8.9				8.9	11.1	.1			11.2	1488
TOTALS		1.1	10.1			.0	10.1	12.6	.8			13.4	11904

1
DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.1	8.3				8.3	33.7					
	03-05	.1	8.4				8.4	46.6				33.7	1440
	06-08	.1	8.9				8.9	44.4	1.2			46.6	1440
	09-11	.3	8.6				8.6	9.7	5.8			45.6	1440
	12-14	.3	8.6				8.6	1.6	1.0			15.4	1440
	15-17	.5	9.7				9.7	1.9	1.0			2.6	1440
	18-20	.3	7.8				7.8	13.6	1.0			2.9	1440
	21-23	.1	8.4				8.4	23.1	.2			14.7	1440
												23.3	1440
TOTALS		.2	8.6				8.6	21.8	1.9			23.1	11520

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & - OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02		11.4		.1		11.4	46.9	.1			47.0	1488
	03-05		12.7				12.7	51.1				51.1	1488
	06-08		13.2				13.2	55.6	.7			56.3	1488
	09-11		8.9		.1	.1	8.9	27.6	7.0			34.6	1488
	12-14		9.1				9.1	8.9	6.0			15.0	1488
	15-17	.1	10.1		.1	.1	10.3	13.0	6.5			19.5	1488
	18-20	.1	11.0		.2	.1	11.2	34.0	2.1			36.1	1488
	21-23	.1	10.9		.2		10.9	41.7	.3			42.1	1488
TOTALS		.0	10.9		.1	.0	11.0	34.9	2.8			37.7	11904

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02		13.0	.1	3.1		15.6	38.5				38.5	1440
	03-05		12.6	.1	4.3		16.6	37.2				37.2	1440
	06-08		12.4	.4	4.5		16.9	47.9				47.9	1440
	09-11		12.0		4.5	.1	15.8	33.4	2.6			36.0	1440
	12-14		11.3		3.7		14.2	16.9	2.7			19.7	1440
	15-17		13.2	.1	4.0		16.6	25.7	3.4			29.1	1440
	18-20	.1	12.4	.3	3.7		15.5	35.2	.4			35.6	1440
	21-23		12.0	.1	3.5	.1	15.1	26.6				36.6	1440
TOTALS		.0	12.4	.1	3.9	.0	15.8	33.9	1.1			35.1	11520

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN - OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02		10.7	1.0	10.6		21.4	36.5	.4			26.9	1488
	03-05		13.9	.5	12.2		25.3	33.3	.3			32.6	1488
	06-08		12.4	.7	12.6		24.3	42.5	.7			43.1	1488
	09-11		12.8	.9	13.8		25.5	36.8	3.0	.1		39.8	1488
	12-14		11.8	.1	8.9		19.4	24.1	6.3	.1		30.5	1488
	15-17		11.6	.2	8.1		19.4	34.9	3.6			38.6	1488
	18-20		11.2	.8	8.9	.1	19.8	37.8	1.0			38.8	1488
	21-23		11.6	.7	10.1		21.6	36.4	.5			36.9	1488
TOTALS			12.0	.6	10.7	.0	22.1	35.3	2.0	.0		37.3	11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1968, and in tens of degrees starting in January 1969. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders." DATA NOT AVAILABLE

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AL

MEANS AND STANDARD DEVIATIONS

34177 MURNBERG GERMA W/F AT-

55-7

STATION

STATION NAME

YEARS

MRS L S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN 1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.192	11.192	11.192	11.192	11.192	11.192	11.192	11.192	11.192	11.192	11.192	11.192	11.192
	TOTAL OBS 496	452	496	48	496	48	496	49	48	48	48	48	48
03	MEAN 1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.145	11.753	9.238	7.887	5.956	5.666	4.932	5.284	5.122	5.752	5.131	5.131	5.131
	TOTAL OBS 496	452	496	48	496	48	496	49	48	49	48	48	48
06	MEAN 1015.41	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.268	11.801	9.377	7.253	5.963	5.633	4.973	5.404	5.227	5.963	5.963	5.963	5.963
	TOTAL OBS 496	452	496	48	496	48	496	49	48	48	48	48	48
09	MEAN 1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.173	11.856	9.517	7.253	5.779	5.516	4.932	5.292	5.168	5.313	5.168	5.168	5.168
	TOTAL OBS 496	452	496	48	496	48	496	49	48	49	48	48	48
12	MEAN 1015.21	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.057	11.753	9.149	7.587	5.713	5.448	4.882	5.103	5.683	5.666	9.149	11.72	11.72
	TOTAL OBS 496	452	496	48	496	48	496	49	48	48	48	48	48
15	MEAN 1017.71	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 10.925	11.703	8.974	7.369	5.633	5.477	4.777	4.977	5.778	5.354	9.62	11.627	11.627
	TOTAL OBS 496	452	496	48	496	48	496	49	48	48	48	48	48
18	MEAN 1015.41	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.010	11.677	8.994	7.771	5.586	5.496	4.726	4.904	5.803	4.393	9.694	11.714	11.714
	TOTAL OBS 496	452	496	48	496	48	496	49	48	48	48	48	48
21	MEAN 1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.033	11.723	9.052	7.969	5.601	5.440	4.795	5.089	5.974	5.502	9.774	11.731	11.731
	TOTAL OBS 496	452	496	48	496	48	496	49	48	48	48	48	48
ALL HOURS	MEAN 1015.41	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51	1015.51
	S D 11.084	11.755	9.174	7.34	5.840	5.582	4.905	5.193	5.332	5.621	9.662	11.773	11.773
	TOTAL OBS 3966	3616	3966	384	3966	3540	3966	3966	3840	3966	384	3966	45752

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS ALL MONTH ALL HOURS (L E T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	.6	.1								3.7	4.5
NNE	.8	.8	.5	.1	.0							2.1	4.8
NE	.8	.8	.4	.1								2.0	4.8
ENE	1.2	.9	.8	.2	.0	.0						3.1	5.4
E	4.5	3.9	2.6	1.0	.1	.0						12.1	5.3
ESE	4.7	4.0	1.1	.2	.0							9.9	4.1
SE	2.1	2.2	.7	.0								5.1	4.3
SSE	1.2	1.9	.9	.1								4.0	5.0
S	1.4	1.7	.8	.1	.0							4.1	4.7
SSW	1.2	1.5	.8	.1	.0	.0						3.6	5.0
SW	1.1	1.5	.9	.2	.0							3.8	5.4
WSW	1.3	2.2	2.2	1.0	.1	.0						6.7	7.0
W	2.0	3.1	3.8	3.0	.6	.1	.0			.0		12.4	8.3
WNW	1.8	1.8	1.9	1.3	.2	.1	.0	.0	.0			6.6	7.7
NW	1.0	1.3	1.1	.4	.0	.0	.0					3.9	6.3
NNW	1.0	1.2	.7	.2	.0							3.1	5.1
VARBL	1.6	.4	.0	.0								2.0	2.6
CALM												11.9	
	28.6	30.7	19.6	7.9	1.0	.2	.0	.0	.0	.0		100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 140251

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/EUROPE 55-7 YEARS MONTHS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.6	.2									2.2	2.0
NNE	.7	.7	.5	.1								2.0	2.1
NE	.5	.5	.5	.1								1.8	4.0
ENE	.9	.7	.5	.2								3.2	5.0
E	3.5	4.0	2.5	.6	.2	.0						12.8	5.0
ESE	4.0	5.4	1.9	.2	.0							13.6	4.5
SE	3.1	5.1	1.6	.1								15.1	4.7
SSE	1.5	3.5	1.8	.1								7.1	5.2
S	1.5	2.4	1.4	.2								8.5	5.4
SSW	1.1	1.6	1.1	.2								4.7	5.5
SW	1.2	1.7	1.1	.3	.0							4.2	5.0
WSW	.9	2.1	2.2	1.1	.1	.0						6.4	7.4
W	1.7	2.2	3.4	3.1	.7	.2	.0			.0		11.4	3.1
WNW	1.2	1.3	1.4	1.1	.3	.1	.0		.0			5.3	3.1
NW	.8	.7	.5	.3	.0	.0						2.4	5.7
NNW	.6	.5	.2	.1	.0							1.5	4.2
VARBL	.4	.1										.4	2.5
CALM												9.7	
	25.6	34.2	20.9	7.9	1.3	.3	.0		.0	.0		100.1	5.4

TOTAL NUMBER OF OBSERVATIONS 11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/F.R.G.
STATION NAME

55-70
YEARS

MONTH

ALL WEATHER
CLASS

HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	.8	.1								3.4	3.2
NNE	.3	.7	.6	.1								1.9	3.4
NE	.7	.9	.7	.1								2.4	3.4
ENE	.6	1.1	.9	.3	.0							3.0	3.4
E	3.4	4.5	3.0	1.0								11.9	3.6
ESE	3.6	5.0	1.6	.1								12.4	4.6
SE	2.0	3.3	1.0	.1								6.4	4.6
SSE	1.1	2.3	1.3	.1								4.9	5.3
S	1.2	1.8	1.2	.1	.0							4.3	5.2
SSW	1.1	1.5	.7	.2	.0							3.6	5.1
SW	1.0	1.8	1.0	.2	.0							4.0	5.6
WSW	.9	1.7	2.6	1.5	.3	.0						7.1	6.2
W	1.8	2.8	3.6	3.5	1.0	.3	.0					13.1	7.3
WNW	1.2	1.9	1.6	1.3	.5	.2	.0	.0				5.7	7.7
NW	.9	1.1	.8	.4	.1	.0						3.4	6.6
NNW	.6	1.2	.6	.1	.0							2.5	5.4
VARBL	.5	.1										.7	2.4
CALM												10.2	
	22.6	33.2	22.2	9.1	1.9	.6	.0	.0				100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

10843

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/F-37- 55-7 YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	.8	.1								4.1	4.0
NNE	1.3	1.1	.8	.1	.0							3.1	3.6
NE	.9	1.1	.8	.2								3.1	3.4
ENE	1.4	1.4	1.5	.5	.0							4.1	6.1
E	4.5	4.7	5.1	2.3	.1							16.1	6.3
ESE	3.7	4.2	1.2	.3								9.4	4.5
SE	1.7	1.6	.5	.1								3.9	4.2
SSE	1.5	1.5	.7	.0								3.2	4.7
S	1.1	1.3	.7	.1								3.2	4.3
SSW	.7	1.3	.7	.2	.0							2.9	3.7
SW	.8	1.3	1.0	.3	.0							3.3	3.2
WSW	.7	1.8	2.4	1.6	.1	.0						6.7	3.2
W	1.5	2.7	4.0	4.1	1.2	.2	.0					13.7	3.6
WNW	1.3	1.3	2.0	1.5	.4	.0	.0					6.2	3.7
NW	.9	1.0	1.1	.5	.1	.0						3.3	7.1
NNW	.9	1.3	.6	.2	.0							3.0	3.4
VARBL	1.1	.2	.0									1.3	2.5
CALM												2.3	
	23.8	29.2	23.8	12.1	2.0	.2	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FORT
STATION NAME

55-7
YEARS

ALL WEATHER
CLASS

MONTH

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.5	1.4	.2								3.7	5.3
NNE	.7	1.1	.9	.2								2.9	3.8
NE	.7	.9	.8	.2								2.7	3.7
ENE	1.0	.8	.9	.4	.0	.0						3.2	4.1
E	3.6	3.6	2.6	1.7	.2	.1						11.4	6.3
ESE	3.9	2.9	.9	.2	.0							7.9	4.2
SE	1.5	1.0	.5	.1								3.1	4.3
SSE	.9	.9	.6	.1								2.8	3.3
S	1.1	1.3	.7	.1								3.2	4.1
SSW	1.0	1.5	.9	.1								3.3	3.1
SW	1.0	1.4	1.0	.2								3.6	3.9
WSW	1.1	2.0	2.5	1.2	.2	.0						6.1	7.1
W	1.9	3.0	3.7	2.9	.6	.0						12.2	8.2
WNW	1.4	2.2	2.4	1.5	.2	.0	.0					7.8	7.7
NW	1.2	2.0	1.7	.9	.1	.0						5.8	5.9
NNW	1.4	2.0	1.2	.4	.0							5.4	5.7
VARBL	1.9	.3	.0									2.2	2.5
CALM												10.3	
	25.9	29.4	22.7	10.2	1.3	.2	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

11519

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.8	.9	.1								4.2	4.1
NNE	.8	.9	.5	.0								2.3	4.1
NE	.7	.9	.5	.1								2.1	5.2
ENE	1.4	.9	1.0	.7	.1							4.1	5.1
E	5.0	4.0	3.1	1.2	.1							15.5	5.5
ESE	4.4	3.0	.9	.4	.0							8.7	4.2
SE	1.4	.9	.4	.0								2.8	4.1
SSE	.9	1.2	.5	.0								2.6	4.2
S	1.0	1.1	.4	.1								2.6	4.6
SSW	.8	1.2	.6	.1								2.3	5.1
SW	1.1	1.3	.8	.1	.0							3.3	5.1
WSW	1.1	2.3	2.0	.9	.1	.0						6.3	6.4
W	1.9	3.7	3.6	2.4	.6	.1						12.3	7.9
WNW	1.2	2.3	3.0	2.2	.2	.0	.0					9.1	8.2
NW	1.1	1.6	1.7	.9	.1	.0						5.3	7.0
NNW	1.0	1.6	1.5	.4	.0							4.5	6.1
VARBL	2.3	.6	.1									3.7	2.9
CALM												1.6	
	27.4	29.6	21.6	9.4	1.2	.1	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

11903

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177 STATION NURNBERG GERMANY/FURTH 55-7 YEARS MONTHS 011
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.0	.1								4.6	4.9
NNE	.9	1.1	.8	.2								2.9	5.4
NE	.8	.9	.5	.1								2.4	5.1
ENE	1.3	.9	.9	.2	.0							3.4	5.3
E	3.1	3.0	2.4	1.0	.0							11.5	5.1
ESE	3.9	2.6	.7	.2	.0							7.4	4.0
SE	1.3	1.0	.3	.0								2.3	4.0
SSE	.7	.9	.4	.0								2.0	4.6
S	1.1	1.1	.4	.0	.0							2.6	4.3
SSW	.8	1.2	.4	.0	.0	.0						2.3	4.7
SW	1.0	1.1	.6	.0								2.7	4.8
WSW	1.5	2.2	1.5	.4	.0							5.7	5.8
W	2.3	4.1	4.4	2.6	.3	.0						13.7	7.5
WNW	1.5	2.8	3.6	2.0	.2	.1	.0					10.2	7.3
NW	1.1	2.1	2.1	.7	.0							6.1	6.6
NNW	1.2	1.7	1.4	.2								4.5	5.7
VARBL	2.6	1.1	.1	.0								3.8	2.9
CALM												11.5	
	28.8	29.5	21.5	5.0	.6	.1	.0					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 11515

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	.7	.1								3.3	4.7
NNE	.6	.8	.2									1.6	4.1
NE	.7	.3	.3	.0								1.3	4.3
ENE	1.1	.6	.4	.1								2.2	4.2
E	3.4	2.7	.9	.1								9.1	3.7
ESE	4.7	2.8	.5	.0	.0							7.9	3.5
SE	1.5	1.0	.2	.0								2.7	3.7
SSE	.9	.8	.3	.0								2.1	4.4
S	1.5	1.2	.4	.0								3.1	4.0
SSW	1.3	1.4	.6	.0								3.3	4.6
SW	1.5	1.7	.6	.1								3.8	4.6
WSW	2.0	3.2	2.1	.6	.0	.0						7.9	3.9
W	2.6	4.8	3.2	3.6	.2	.0						16.4	7.6
WNW	1.5	2.8	3.2	2.2	.2	.0						9.9	7.6
NW	1.0	1.9	1.6	.6	.0	.0						5.1	6.3
NNW	.8	1.4	1.0	.2	.0							3.5	3.7
VARBL	2.7	.8	.1									3.6	2.8
CALM												13.1	
	30.9	29.7	18.2	7.8	.5	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH AUG
CLASS ALL WEATHER HOURS (LST) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.1	.3	.1								3.1	4.0
NNE	.7	.5	.3	.0								1.5	4.4
NE	.8	.7	.3	.0								1.9	4.3
ENE	1.4	.7	.5	.1	.0							2.7	4.2
E	6.3	3.1	1.3	.3								10.9	3.9
ESE	3.7	3.0	.7	.1								9.3	3.6
SE	2.1	1.2	.3	.0								3.5	3.7
SSE	1.4	1.1	.4	.0								2.9	4.0
S	2.1	1.8	.4	.0								4.2	3.9
SSW	1.6	1.8	.6	.1								4.0	4.4
SW	1.4	1.7	.6	.1								3.8	4.6
WSW	1.7	3.0	2.3	.6	.0	.0						7.9	6.2
W	2.3	3.6	4.9	2.6	.3	.0						13.7	7.3
WNW	1.3	1.8	1.9	1.0	.1							6.0	7.0
NW	1.1	1.7	1.3	.4	.0							4.5	6.0
NNW	1.1	1.2	.6	.1	.0							3.0	4.9
VARBL	2.2	.4	.0									2.6	2.3
CALM												14.1	
	34.8	28.3	17.0	5.4	.5	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.1	.2	.0								3.5	3.5
NNE	.9	.6	.2	.0								1.7	3.8
NE	1.1	.6	.2									2.0	3.7
ENE	1.5	1.0	.8	.1								3.4	4.6
E	6.3	3.9	2.3	.8	.1							13.5	4.7
ESE	6.6	3.6	.8	.1								11.2	3.6
SE	2.6	1.4	.3	.0								4.3	3.5
SSE	1.5	1.6	.6	.0								3.7	4.2
S	1.7	1.7	.3	.0								3.7	3.9
SSW	1.5	1.6	.6	.0								3.8	4.4
SW	1.1	1.3	.7	.1	.0							3.2	4.9
WSW	1.5	2.2	2.3	.5	.0	.0						6.6	6.3
W	1.9	2.7	3.0	2.5	.4	.0						10.5	7.9
WNW	1.3	1.6	1.3	.7	.2	.0						5.0	6.6
NW	.8	1.1	.6	.2	.0							2.8	5.6
NNW	1.0	.9	.3	.0								2.3	4.1
VARBL	2.0	.2										2.2	2.1
CALM												16.8	
	35.7	27.2	14.3	5.2	.7	.0						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 11519

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

GCT
MONTH

ALL WEATHER
CLASS

ALL
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.9	.2	.0								2.3	3.8
NNE	.5	.5	.2									1.2	4.3
NE	.6	.5	.2									1.3	4.0
ENE	1.2	.7	.6	.2								2.7	4.9
E	3.2	4.0	2.3	.6								12.0	4.7
ESE	7.1	4.6	.9	.1								12.8	3.7
SE	3.1	2.4	.4	.1								5.9	3.7
SSE	1.6	2.4	.8	.1								4.8	4.7
S	1.8	1.9	.8	.0								4.5	4.4
SSW	1.3	1.6	.6	.1								3.6	4.7
SW	.2	1.3	.8	.2								3.6	5.2
WSW	1.4	2.0	2.0	.6	.1	.0						6.1	6.4
W	2.3	2.6	3.2	2.1	.3	.0						10.5	7.5
WNW	1.4	1.4	1.0	1.0	.2	.0						5.0	7.0
NW	.9	1.1	.8	.2	.0	.0						3.1	5.6
NNW	.9	.9	.3	.1								2.2	4.3
VARBL	2.1	.2										2.3	2.1
CALM												16.2	
	33.8	29.0	15.1	5.3	.6	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH NOV

CLASS ALL WEATHER

CONDITION ALL

MOORE (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5	.2	.0								3.5	3.6
NNE	.9	.8	.2	.0								1.9	4.0
NE	.8	.7	.2									1.7	4.0
ENE	.9	1.2	.6	.2	.0							2.9	5.3
E	3.8	5.0	3.1	1.5	.1							13.4	5.8
ESE	4.4	5.6	1.5	.2								11.7	4.5
SE	2.4	3.9	1.6	.1								8.0	4.8
SSE	1.4	2.9	1.3	.1								5.7	5.2
S	1.6	2.4	1.4	.1								5.3	5.1
SSW	1.4	1.9	1.0	.1								4.4	5.1
SW	1.3	1.5	1.2	.3								4.3	5.6
WSW	1.2	1.6	1.9	1.1	.1	.0						5.8	7.4
W	1.7	2.3	2.6	2.6	.6	.2						10.0	8.7
WNW	.9	1.3	.8	.5	.1	.0						3.5	6.4
NW	1.1	.9	.4	.1	.0							2.5	4.4
NNW	1.5	1.1	.3	.0								3.0	3.8
VARBL	1.0	.1										1.1	2.2
CALM												10.8	
	28.1	34.6	18.3	7.0	.9	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 11520

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.1	.2	.0								2.7	3.6
NNE	.8	.7	.3	.0								1.9	4.1
NE	.9	.7	.3	.1								1.9	4.1
ENE	1.1	1.0	.6	.1								2.8	4.8
E	3.0	4.2	2.8	.6								10.6	5.3
ESE	3.9	5.2	1.2	.1								10.3	4.3
SE	2.0	4.1	1.1	.0								7.9	4.5
SSE	1.4	3.4	2.1	.1								7.0	5.4
S	1.6	2.7	1.7	.1								6.2	5.3
SSW	1.3	2.0	1.2	.1								4.6	5.3
SW	1.2	2.0	1.5	.4	.0							5.2	5.9
WSW	1.2	1.7	2.2	1.5	.2	.0						6.9	7.8
W	1.7	2.4	3.3	3.6	.8	.1	.0					11.9	9.1
WNW	1.0	1.4	1.1	.7	.1	.0	.0					4.4	7.1
NW	1.0	1.0	.4	.1	.0	.0	.0					2.6	5.3
NNW	1.1	.8	.2	.0								2.1	3.7
VARBL	.8	.1										.9	2.2
CALM												10.3	
	26.0	34.5	20.2	7.7	1.2	.2	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

11904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177 STATION NURNBERG GERMANY/F-OT- 55-7 YEARS MONTH 10-0-020 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	15 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.3									3.6	3.7
NNE	.7	1.1	.2									1.9	4.4
NE	.2	.4	.1	.1								.9	5.6
ENE	.9	.7	.4	.1								2.1	5.7
E	4.6	4.4	2.1	.5	.1							11.7	4.8
ESE	5.4	7.8	1.4	.1								14.6	4.9
SE	4.2	4.8	1.6									10.6	4.8
SSE	1.9	3.1	.5	.2								5.4	4.5
S	1.4	1.8	.9	.2								4.3	5.7
SSW	.9	1.6	.9	.1								3.5	5.4
SW	.8	2.2	1.3	.3	.1							4.5	6.2
WSW	.7	1.5	1.8	.7	.1							4.5	7.2
W	1.3	2.2	2.8	2.9	.5							9.7	8.8
WNW	1.5	1.1	1.5	.7	.1							4.9	5.7
NW	.7	.7	.7	.4	.1							2.5	5.7
NNW	.8	.7	.2									1.7	3.8
VARBL	.5	.1										.5	2.3
CALM												11.9	
	28.3	35.6	15.8	6.5	.9							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING 71.151
ETAC/USAF
AIR WEATHER SERVICE/40

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FORT-
STATION NAME

55-70
YEARS

ALL WEATHER
CLASS

MONTHS
01-12
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.5	.1									3.5	3.5
NNE	1.1	.5	.2									1.8	3.7
NE	.3	.3	.2	.2								1.0	6.0
ENE	1.2	.7	.5									2.4	4.0
E	4.5	3.7	2.4	.3	.1	.1						11.1	5.0
ESE	6.5	5.6	1.0	.2								13.4	4.0
SE	4.2	6.1	1.6	.2								12.2	5.6
SSE	1.6	3.2	2.2									7.2	5.2
S	1.1	2.2	1.5	.1								4.9	5.6
SSW	1.0	1.1	.4									2.5	4.6
SW	1.1	1.9	1.3	.7								5.0	5.4
WSW	.9	1.7	2.2	1.0								5.8	7.4
W	1.2	1.3	3.2	1.9	.7							8.4	7.3
WNW	.6	.9	1.7	.8	.1		.1			.1		4.2	4.8
NW	.9	1.0	.6	.3	.1							3.0	6.0
NNW	.9	.3	.1									1.2	3.2
VARBL	.5	.1										.6	2.3
CALM												12.0	
	29.0	32.0	19.0	5.8	1.1	.1	.1		.1	.1		100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

1400

DATA PROCESSING UNIT
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERM V/FORT 55-7 YEARS MONTH
ALL-SEASER CLASS MODES (L, S, T)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.1	.5									2.4	3.2
NNE	.7	.8	.4									1.9	4.2
NE	.9	.5	.5	.1								1.8	4.1
ENE	.9	.4	.4	.1								1.8	4.9
E	3.7	4.1	2.2	.8	.1							11.9	5.4
ESE	5.2	5.2	1.3	.1								11.9	4.1
SE	4.5	5.4	1.7	.1								11.9	4.4
SSE	1.4	3.1	2.4									6.9	5.4
S	2.2	2.2	.5									5.9	4.3
SSW	1.3	2.2	1.1	.2								4.8	5.4
SW	1.0	1.1	1.3	.4								3.8	5.9
WSW	.7	1.9	2.4	.9	.1							3.8	7.2
W	.9	1.7	2.7	2.5	.6	.1						3.3	9.1
WNW	.7	.8	1.1	1.0	.1	.3						4.7	9.2
NW	.5	1.0	.3	.1		.1						2.7	5.6
NNW	.6	.3	.2	.1								1.1	4.5
VARBL	.3	.1										.4	2.7
CALM												13.3	
	28.0	21.9	19.0	6.3	.9	.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING 1151
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FLETH 55-7 YEARS NORTH 9-11.1 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	.2	.1								2.4	4.5
NNE	.5	.4	.7	.2								1.9	4.1
NE	.5	.1	.1	.1								.6	4.8
ENE	.8	.5	.5	.4								2.4	5.4
E	2.9	2.9	3.6	.6	.4							1.4	5.4
ESE	2.9	4.2	2.0	.3								6.5	5.1
SE	3.2	5.0	1.6	.2								1.2	4.7
SSE	1.6	4.4	2.7	.3								6.7	5.5
S	2.3	2.2	1.7	.3								6.7	5.4
SSW	1.4	1.9	1.3	.4								5.7	5.6
SW	1.5	1.6	.9	.2								4.2	5.2
WSW	1.1	1.9	2.8	1.8	.1							7.7	7.9
W	2.0	2.2	3.4	3.4	.7	.1						11.9	8.5
WNW	1.1	1.2	.9	1.3	.4	.1						5.1	8.8
NW	.9	.7	.3	.1	.1							1.9	5.0
NNW	.9	.5	.1									1.5	5.5
VARBL	.4											.4	2.0
CALM												6.3	
	25.1	31.0	23.5	9.7	1.7	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/F...
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

12-1-1955
NO. OF (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.5	.1								3.4	4.0
NNE	.4	.4	1.5	.1								2.5	6.0
NE	.2	.7	.5									1.4	5.0
ENE	.5	.8	1.5	.1								2.5	6.0
E	1.3	2.5	3.6	1.2	.4							9.1	7.0
ESE	1.3	2.5	3.6	.4	.1							7.3	6.0
SE	1.5	3.9	2.5	.1								3.0	5.0
SSE	2.0	4.1	2.2	.3								2.7	5.0
S	1.9	3.1	2.1	.2								7.3	5.0
SSW	.9	1.4	1.5	.3								4.3	6.0
SW	1.3	1.6	.9	.4	.1							4.5	5.0
WSW	1.5	1.7	2.4	2.0	.2	.1						7.9	8.0
W	3.7	3.1	4.8	4.4	1.0	.3	.1					17.4	8.0
WNW	1.3	2.8	1.7	1.7	.4	.3						5.2	5.0
NW	.5	.7	.7	.3	.1							2.3	7.2
NNW	.4	.5		.1								1.7	4.4
VARBL	.2											.2	2.3
CALM												4.2	
	19.9	31.9	29.2	11.9	6.2	.7	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1450

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

5-0-17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	.2									4.7	3.3
NNE	.5	1.1	.7									2.3	3.4
NE	.5	1.1	.5									2.1	5.3
ENE	.8	.7	.5	.3								2.3	5.4
E	3.1	4.8	2.9	1.1								11.9	5.7
ESE	2.1	4.2	2.2	.1								5.5	5.1
SE	1.7	4.6	2.0									5.3	5.1
SSE	1.3	3.6	1.9									5.5	5.2
S	.9	2.6	1.7	.3								5.4	6.2
SSW	1.0	1.4	1.2	.3								3.3	5.7
SW	1.4	1.7	1.1	.3	.1							4.3	5.7
WSW	1.0	3.0	2.6	1.1	.1							7.3	7.1
W	2.4	3.2	3.9	3.3	.9	.2						13.5	5.6
WNW	2.2	1.8	1.3	1.7	.2	.1						7.3	7.3
NW	.5	.6	.5	.3	.1							2.7	6.6
NNW	1.1	.9	.3	.1	.1							2.5	4.5
VARBL	.4	.1										.5	2.6
CALM												6.7	
	22.5	37.5	23.5	8.8	1.4	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FORT- 55-71
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.4	.3									4.2	4.2
NNE	.6	1.1	.3									2.2	4.2
NE	.5	.5	.3	.1								1.3	3.2
ENE	.6	.6	.7	.1								2.3	5.5
E	5.6	5.2	1.7	.7								11.4	5.1
ESE	3.8	6.9	2.1									12.3	4.7
SE	2.5	4.8	1.3	.1								5.4	4.7
SSE	1.3	3.0	1.7	.2								6.2	5.6
S	1.1	2.7	1.5	.2								5.5	5.5
SSW	1.2	1.8	.9	.2								4.2	5.1
SW	1.2	2.0	1.1									4.4	5.1
WSW	.8	3.0	1.9	.7	.1	.1						6.5	7.0
W	1.2	2.0	3.2	3.5	.3	.5	.1					10.8	6.3
WNW	.9	.7	1.3	.7	.3							4.2	3.0
NW	1.5	.5	.6	.3								3.2	4.9
NNW	.8	.4	.1	.1								1.5	4.6
VARBL	.2	.1										.3	3.4
CALM												10.6	
	23.9	38.1	19.1	6.9	.8	.5	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1485

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FORT
STATION NAME

55-7
YEARS

2
MONTH

ALL WEATHER
CLASS

21-23
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.3	.3	.1								4.7	3.7
NNE	.7	.6	.1	.2								1.5	5.7
NE	.7	.5	.1									1.3	3.4
ENE	1.3	.7	.3	.1								2.4	4.2
E	4.2	4.7	2.2	.9								11.9	5.7
ESE	4.6	6.5	1.4									12.5	4.3
SE	3.4	5.0	1.5	.1								11.1	4.6
SSE	1.5	3.9	1.1	.1								5.7	4.9
S	1.1	2.4	.9	.3								4.7	5.4
SSW	1.1	1.3	.7	.3								5.5	5.5
SW	.9	1.6	1.1	.3								3.7	5.9
WSW	.5	2.3	1.5	.5		.1						4.9	6.9
W	1.0	2.4	3.2	2.6	1.0	.1						17.3	9.5
WNW	1.1	.7	1.5	.9	.3	.1	.1					4.6	5.5
NW	1.1	.5	.5	.5								2.6	6.1
NNW	1.1	.7	.2	.1								2.1	4.5
VARBL	.5											.5	1.3
CALM												11.3	
	27.1	36.0	16.9	6.9	1.3	.3	.1					100.7	5.0

TOTAL NUMBER OF OBSERVATIONS 1486

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FORTH STATION NAME 55-70 YEARS 22 MONTH 1000-0200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	.5									3.2	4.0
NNE	.5	.4	.2									1.2	5.0
NE	1.2	.7	.3									2.2	3.5
ENE	1.0	1.0	.7									2.7	4.5
E	5.1	5.5	2.4	.6								15.5	4.7
ESE	4.8	6.0	1.0									11.7	4.0
SE	2.8	5.0	.6									9.4	4.5
SSE	1.3	1.6	1.5	.1								4.5	5.3
S	1.4	1.9	1.0	.1								4.4	4.6
SSW	1.5	1.5	.3	.2								3.5	4.5
SW	1.3	1.5	1.2	.1								4.1	5.3
WSW	.4	1.7	2.7	1.1	.1	.1						5.2	6.1
W	1.5	2.1	2.7	3.0	.7	.1	.1					12.2	9.2
WNW	.7	1.3	1.0	1.0	.7	.2						4.5	10.0
NW	1.3	1.0	1.0	.2								3.5	5.3
NNW	.4	1.0	.4	.1								1.4	5.3
VARBL	.8	.1										1.2	2.2
CALM												12.3	
	27.1	33.6	17.6	6.5	1.5	.4	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1366

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36177 STATION NAME NURNBERG GER-A Y/F-47 YEARS 55-7 MONTH DEC
CLASS ALL WEATHER MONTHS (L S T) 55-05
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	.4	.2								3.4	5.1
NNE	1.0	.7	.3	.1								2.1	4.4
NE	.9	.4	.3									1.6	4.1
ENE	1.2	1.3	.7	.1								3.2	4.7
E	5.2	6.3	1.3	.2								13.6	4.4
ESE	5.5	6.0	.8									12.3	3.9
SE	2.6	3.2	.7									6.5	3.1
SSE	1.8	2.4	1.1	.1								5.3	4.3
S	1.0	1.8	1.0									3.8	5.0
SSW	1.1	1.8	.4									3.4	4.3
SW	.7	1.6	1.0		.1							3.4	5.3
WSW	.7	1.1	2.2	1.1	.3	.1						5.5	3.6
W	1.0	2.2	2.9	3.5	.4	.4						12.4	9.6
WNW	1.3	1.5	1.7	1.0	.4	.1						5.9	6.3
NW	1.1	.6	.1	.3								2.1	4.9
NNW	1.1	1.0	.4									2.4	4.3
VARBL	1.0	.2										1.3	2.4
CALM												13.6	
	28.3	33.8	15.7	6.6	1.2	.5						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1356

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

MUNBERG GERMANY/FORT
STATION NAME

55-70
YEARS

000
MONTH

ALL WEATHER
CLASS

1610-0000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	.3	.2								3.4	4.4
NNE	.7	.4	.2									1.4	3.7
NE	1.0	.7	.3	.1								2.0	4.0
ENE	.5	1.1	.7	.1								2.4	5.4
E	4.4	4.9	2.1	.4								11.8	6.7
ESE	5.8	6.6	1.1	.1								13.5	6.1
SE	3.2	4.3	.6									8.1	4.1
SSE	1.3	1.7	1.1	.1								4.2	5.1
S	1.5	1.6	1.1	.1								4.3	5.2
SSW	1.0	1.5	1.0	.1								3.5	5.4
SW	.9	1.8	.7	.1								3.5	5.2
WSW	.9	.8	2.6	1.2	.5							6.0	6.6
W	1.5	2.3	3.0	3.4	.8	.4	.1					11.4	9.6
WNW	1.4	1.1	1.1	.4	.4	.1						4.6	7.3
NW	1.2	1.2	.4	.1								2.9	4.7
NNW	.7	2.0	.5	.1								3.2	5.0
VARBL	.4											.4	2.2
CALM												13.4	
	27.7	33.3	16.8	6.5	1.8	.4	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1356

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36177
STATION

NURNBERG GERMANY/FWRT-
STATION NAME

55-71
YEARS

12
MONTH

ALL WEATHER
CLASS

50-11
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	1.2	.2								3.8	6.1
NNE	.2	.8	.7	.1								1.8	6.2
NE	.2	.7	.5									1.7	6.7
ENE	.4	1.1	1.3	.4								3.3	7.1
E	1.9	2.9	3.5	1.7								9.8	7.0
ESE	2.7	2.9	2.5	.3								9.4	5.1
SE	2.4	3.1	1.6	.1								7.4	5.0
SSE	1.5	3.4	2.1									7.7	5.3
S	1.5	2.1	1.0	.3								4.9	5.1
SSW	1.2	1.3	1.3	.2								3.6	5.3
SW	.5	2.4	1.4	.7								5.1	5.7
WSW	.9	1.0	2.1	2.0	.5	.1						6.6	9.3
W	2.7	3.2	2.9	4.6	1.2	.7						15.3	5.5
WNW	1.4	2.4	1.3	1.1	.4	.4	.1					7.1	8.5
NW	.8	1.0	.4	.3	.1							3.1	5.9
NNW	.3	1.0	.7	.3								2.3	5.7
VARBL	.9											.9	1.9
CALM												6.9	
	20.3	31.6	24.9	12.7	2.2	1.2	.1					100.7	6.4

TOTAL NUMBER OF OBSERVATIONS

1356

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FLEET-
STATION NAME

55-7
YEARS

12
MONTHS

ALL WEATHER
CLASS

12-14
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.8	.4								3.7	7.7
NNE	.1	.7	1.1	.1								2.7	6.7
NE	.4	1.1	1.3	.2								2.9	5.7
ENE	.1	.9	1.0	.3	.1							2.4	7.4
E	.8	2.0	4.3	2.5								6.4	5.4
ESE	.4	2.1	2.4	.6								4.7	7.1
SE	1.4	1.8	1.6	.1								4.9	5.3
SSE	.5	2.7	2.0	.1								3.5	6.7
S	1.2	2.4	1.8	.2								3.6	5.7
SSW	.9	1.7	1.0	.4	.1							4.1	6.2
SW	1.0	1.4	1.5	.1								4.7	5.5
WSW	1.1	2.1	2.8	2.7	.4	.1						6.2	5.8
W	2.5	3.5	4.6	5.2	2.4	.4						13.7	11.2
WNW	1.5	3.0	2.5	2.4	.5	.4						11.3	8.7
NW	.4	1.1	1.7	.9	.3	.1						4.3	5.7
NNW	.3	.9	1.6									2.7	7.7
VARBL	.6	.1										.7	2.3
CALM												4.7	
	13.4	28.5	33.1	16.2	3.7	1.1						100.7	7.6

TOTAL NUMBER OF OBSERVATIONS

1256

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

MURNBERG GERMANY/EAST
STATION NAME

55-70
YEARS

REF
MONTH

ALL WEATHER
CLASS

150-170
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.3	.1								4.2	2.1
NNE	.4	1.4	1.5	.2								3.5	5.3
NE	.3	1.5	1.3	.1								2.2	4.3
ENE	.5	.7	1.1	.6								2.9	7.2
E	1.4	3.7	3.2	1.4								6.4	6.9
ESE	.9	2.7	2.9	.1								5.5	4.7
SE	.6	2.7	1.3	.1								4.7	5.3
SSE	.7	2.8	1.2									6.5	5.3
S	.8	1.8	1.3	.1								4.7	5.4
SSW	.7	1.4	.4	.2	.1							2.8	5.7
SW	.6	1.5	.7	.4	.1							3.3	5.3
WSW	1.0	3.1	3.2	1.5	.3							9.3	7.7
W	2.4	3.2	3.5	3.2	1.0	.3						15.6	3.0
WNW	1.5	3.1	2.7	1.7	.6	.4		.1				17.1	5.5
NW	.7	1.6	1.3	.5	.1	.1						4.4	7.2
NNW	.9	2.1	.7	.1								3.5	5.1
VARBL	.7	.2										.9	2.7
CALM												5.1	
	15.2	35.5	29.6	10.5	2.2	.7		.1				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1355

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34577 STATION NAME NURNBERG GERMANY/FORT- YEARS 55-7 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 1800-2100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.8	.4									6.2	4.1
NNE	.7	.8	.5									3.2	4.2
NE	.8	1.5	1.1	.1								3.2	3.5
ENE	1.2	1.1	1.3	.3								3.8	3.1
E	4.0	5.2	3.5	.9								11.1	3.4
ESE	3.7	5.4	1.5									10.3	4.1
SE	1.1	3.1	.9	.1								4.8	3.1
SSE	.4	2.4	.8	.1								3.4	3.5
S	.9	1.6	.7	.1	.1							3.4	3.3
SSW	1.1	1.5	1.3	.1								3.7	3.2
SW	1.5	2.2	1.0	.2								4.3	4.3
WSW	1.5	1.9	3.1	1.0								7.3	5.9
W	1.5	3.2	4.4	2.1	.7	.2						12.2	5.6
WNW	.8	1.3	1.0	.9	.9	.1						5.2	3.2
NW	1.1	1.1	.5	.4	.1							3.2	3.1
NNW	.3	1.2	.2	.1								1.3	3.2
VARBL	.4											.4	2.3
CALM												11.1	
	22.4	36.1	21.8	6.4	1.8	.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1356

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36177 STATION NAME NURNBERG GERMAN V/F YEARS 55-7 MONTH DEC
ALL WEATHER
C 455
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.2	.5									3.0	4.2
NNE	.6	.6	.1	.1								1.4	4.5
NE	.6	1.0	.5	.1								2.2	5.3
ENE	1.2	1.8	.4	.2								2.6	5.2
E	4.5	5.4	3.5	.2								13.5	4.9
ESE	5.3	5.9	1.5	.1								13.3	4.1
SE	1.9	3.3	.9									6.1	4.8
SSE	1.1	1.6	.6									3.5	4.9
S	1.5	1.1	1.4	.1								4.2	5.1
SSW	1.6	1.5	.7	.1								3.9	4.7
SW	1.3	1.5	.7	.2								3.9	5.2
WSW	.8	2.2	2.4	1.0	.1							6.5	7.6
W	1.3	2.9	2.7	2.9	.6	.1	.1					11.6	8.9
WNW	1.1	1.2	1.5	1.5	.2	.1						5.6	8.6
NW	1.0	.9	.6	.6	.1							3.1	6.7
NNW	.8	.6	.4		.1							1.9	4.1
VARBL	.4	.1										.4	3.1
CALM												13.5	
	26.3	33.6	18.1	7.2	1.1	.2	.1					10.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1384

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY Y/FU-7- 55-7- YEARS MONTHS 1-12-22
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.5	.3	.2								4.4	4.1
NNE	1.4	.5	.3									3.3	3.0
NE	.9	.7	.5	.1								3.2	4.0
ENE	1.7	1.3	1.1	.2								4.6	5.0
E	3.8	7.1	4.4	1.5								15.8	5.3
ESE	7.4	5.2	.5	.1								13.2	3.4
SE	2.6	1.8	.1									4.2	3.4
SSE	1.3	.9	.3									2.8	3.0
S	1.2	1.0	.2	.1								2.8	4.1
SSW	.5	1.5	.7	.1								2.8	5.4
SW	.9	1.5	1.1	.3	.1							3.9	5.1
WSW	.3	1.7	1.5	1.2								4.7	5.7
W	1.5	2.4	3.4	2.9	.5	.1						12.8	5.7
WNW	.7	.3	1.5	.5	.1							3.2	7.9
NW	1.2	1.0	.9	.3								3.4	5.5
NNW	.9	1.3	.3									2.5	4.2
VARBL	.8											.8	2.3
CALM												13.9	
	31.5	29.7	17.1	7.0	.7	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1485

DATA PROCESSING 1.151
ETAC/USAF
AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/F 55-7
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.3	.3	.2								2.5	4.2
NNE	.9	1.0	.3									2.3	4.4
NE	1.5	.7	.4									2.4	4.6
ENE	2.2	1.1	.6	.3								4.2	4.4
E	7.4	6.8	4.3	1.0								19.7	4.9
ESE	7.0	6.7	.5									14.1	5.9
SE	2.2	1.5	.2									3.1	3.6
SSE	1.1	1.1	.1									2.3	3.6
S	.9	1.0	.5									2.4	4.4
SSW	.3	.9	.5									1.6	5.3
SW	.9	1.9	.9	.2	.1							4.1	6.7
WSW	.5	1.3	2.4	1.3	.1							5.5	6.4
W	1.4	1.7	3.9	3.4	.6							11.0	9.1
WNW	.7	.9	1.8	.9			.1					4.3	9.5
NW	.5	1.4	.6	.1								2.6	5.2
NNW	.5	.9	.3									2.2	3.3
VARBL	.9	.1										1.7	2.1
CALM												13.4	
	30.8	30.2	17.4	7.3	.8		.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1486

DATA PROCESSING - 1 ISIT
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERM Y/F YEARS 55-7 MONTH 5
CLASS ALL WEATHER HOURS (L & T) 500-000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.3									2.3	3.2
NNE	1.3	1.1	.4	.1								2.6	4.7
NE	.7	.7	.4	.1								1.9	4.7
ENE	1.4	1.3	1.2	.1								4.1	5.3
E	5.1	5.4	5.6	1.9								18.1	6.1
ESE	6.5	6.5	.8	.3								14.1	3.9
SE	3.1	2.2	.1									5.4	3.3
SSE	.8	1.5	.2									2.5	4.2
S	1.3	.7	.4	.1								2.2	4.4
SSW	.7	1.2	.9	.3								3.1	5.6
SW	.9	.7	1.1	.3								3.0	6.1
WSW	.7	1.7	2.3	1.7	.1							6.5	3.5
W	1.1	2.3	3.6	3.1	.7	.2						10.9	9.4
WNW	.4	.9	2.2	.7	.2							4.4	5.6
NW	.9	.6	1.2	.1	.1							3.1	5.2
NNW	1.0	.9	.4									2.3	4.1
VARBL	.5	.1	.1									.7	3.1
CALM												12.6	
	27.2	29.2	21.1	8.7	1.1	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1483

DATA PROCESSING UNIT
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FORT-
STATION NAME

55-7
YEARS

54
MONTH

ALL WEATHER
CLASS

1900-1900
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.1	.1								2.3	5.0
NNE	.3	.9	1.3	.1								2.3	4.3
NE	.3	.9	1.3	.1								2.7	7.0
ENE	.5	.6	1.7	.7	.1							3.5	5.2
E	1.5	2.8	4.9	3.2	.3							12.7	5.2
ESE	1.6	2.2	2.6	.6								7.5	6.3
SE	1.3	2.3	1.4	.1								5.1	5.5
SSE	2.5	2.6	1.6	.1								5.4	4.5
S	1.4	2.0	.8	.1								4.4	4.7
SSW	.8	1.3	.7	.3								3.1	5.6
SW	1.1	.6	1.1	.3								3.2	5.5
WSW	.9	1.3	3.0	2.4	.3	.1						9.9	6.5
W	2.6	3.2	4.9	5.8	2.2	.2						18.7	9.7
WNW	1.3	1.1	1.8	2.2	.5							7.2	5.4
NW	.7	.5	1.4	.3	.1							3.8	7.3
NNW	.3	.9	.6	.2	.1							2.2	6.2
VARBL	2.2	.1										2.4	2.3
CALM												4.0	
	20.2	24.9	30.4	16.7	3.5	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1489

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/30

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMA Y/FURTH YEARS 55-70 NORTH 120-14
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.5	.1								3.5	6.2
NNE		1.2	1.2	.4								2.8	7.2
NE	.1	.8	1.6	.3								2.3	7.6
ENE	.4	1.4	1.9	1.0	.1							4.2	8.1
E	.7	1.9	3.5	3.6	.3							11.1	9.1
ESE	.3	.9	2.3	.4								3.9	7.5
SE	.9	1.1	1.1	.4								3.4	6.1
SSE	1.0	2.3	1.3	.1								4.4	8.6
S	1.3	2.4	1.5	.1								3.3	8.4
SSW	.8	1.3	.7	.3								3.2	5.6
SW	.7	1.1	1.0	.3	.1							3.2	6.4
WSW	1.0	1.4	2.5	2.6	.2	.1						7.5	9.0
W	1.9	4.4	5.2	7.3	2.4	.5						21.5	10.4
WNW	1.2	2.6	3.1	2.8	1.0	.1						11.8	9.2
NW	.7	1.1	1.4	.9	.3	.1						4.4	8.7
NNW	.3	1.2	1.1	.5	.1							3.3	6.8
VARBL	2.2	.7	.1									2.9	2.5
CALM												1.9	
	14.2	27.2	31.0	21.2	4.3	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1485

DATA PROCESSING 71 1-1
ETAC/USAF
AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/F-17-55-7 MONTH 1-1-17-1
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	2.2	.3								5.7	5.7
NNE	.3	1.7	1.3	.3	.1							3.7	5.7
NE	.4	1.7	.7	.5								2.4	5.4
ENE	.3	1.4	2.4	.2	.1							3.3	5.2
E	.3	2.2	3.2	3.8	.1							12.2	9.0
ESE	.5	2.1	1.1	.6								4.4	5.7
SE	.4	1.4	.5									2.4	3.3
SSE	.6	1.3	1.1									3.7	3.5
S	.3	1.3	1.0	.1								3.2	3.3
SSW	.7	.8	1.3	.3	.1							3.2	5.9
SW	.5	1.7	1.3	.5	.1							4.1	7.1
WSW	.7	1.5	2.2	1.9	.1							6.3	5.2
W	1.5	3.2	5.3	5.6	1.4	.3	.1					17.3	9.9
WNW	1.5	1.9	3.2	2.2	.9	.2						9.9	9.2
NW	1.3	1.4	1.5	1.1	.2							5.3	7.5
NNW	1.0	2.4	1.1	.4	.1							5.1	6.3
VARBL	.7	.3										.9	2.6
CALM												3.4	
	13.4	28.8	31.5	19.0	3.0	.5	.1					100.7	7.6

TOTAL NUMBER OF OBSERVATIONS 1486

DATA PROCESSING 11 151
ETAC/USAF
AIR WEATHER SERVICE/ AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/F-17
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

1-2
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	.7	.1								4.6	4.6
NNE	1.7	1.5	1.2	.1								4.3	4.3
NE	1.7	2.2	.9	.2								3.9	4.0
ENE	1.9	2.2	1.7	.2								5.0	5.2
E	3.7	5.4	7.2	2.2								15.5	5.0
ESE	1.9	3.6	.8	.1								6.4	4.3
SE	1.5	1.3	.1									2.9	3.8
SSE	.7	1.5	.5									2.7	3.1
S	.9	.8	.5	.1								2.4	4.3
SSW	.9	1.1	.8	.1								2.9	3.3
SW	.7	1.6	.9	.3								3.4	3.3
WSW	.8	2.3	2.6	1.2	.2							7.1	7.4
W	1.0	3.2	3.2	2.6	1.0							11.0	6.9
WNW	1.3	1.1	.9	1.6	.3	.1	.1					5.3	6.6
NW	1.1	1.1	.9	.5	.2							3.9	6.3
NNW	1.0	1.8	.2	.3								3.3	5.2
VARBL	.5	.1										.5	2.0
CALM												10.1	
	23.1	32.7	22.7	9.5	1.7	.1	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

1465

DATA PROCESSING 11-11
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

MURNBURG GERMAN Y/F RT-
STATION NAME

55-70
YEARS

21-23
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.8	.1	.1								4.4	4.2
NNE	2.7	.7	.6	.1								3.4	4.7
NE	1.7	.9	.5	.1								3.2	3.7
ENE	2.4	1.7	1.3	.1								3.4	4.6
E	6.7	6.0	6.1	1.5								2.4	3.7
ESE	4.2	6.2	1.5	.1								2.5	4.3
SE	2.3	1.5	.1									3.9	3.5
SSE	.3	.8	.2									1.3	4.3
S	.9	1.4	.5									2.4	4.7
SSW	.9	1.9	.4	.1								3.6	5.7
SW	.7	1.3	.9	.3								3.2	5.4
WSW	1.1	2.7	2.7	.7	.1							7.3	6.4
W	1.1	1.4	2.4	2.2	.7							7.7	9.7
WNW	1.3	1.3	1.4	1.1	.2							1.2	3.7
NW	.5	.7	.7	.6	.1							2.6	7.6
NNW	1.4	.9	.4	.3								3.7	5.1
VARBL	.8											.3	2.3
CALM												11.2	
	29.7	31.3	19.4	7.4	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1465

DATA PROCESSING 1 1951
ETAC/USAF
AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/E 5th YEARS 55-7.
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	.3									4.6	4.0
NNE	1.2	.8	.2	.1								2.3	3.3
NE	.3	.4	.2									1.9	2.0
ENE	1.9	.3	.4	.3								2.9	4.4
E	5.5	3.7	2.2	1.2								13.6	4.1
ESE	3.3	4.0	.3									7.6	3.7
SE	2.4	.5										2.9	2.4
SSE	.6	.4	.3									1.3	4.8
S	.9	.7	.7									2.3	3.1
SSW	1.5	1.7	.5	.1								3.8	4.7
SW	1.2	1.2	1.0	.1								3.5	4.2
WSW	1.0	2.3	1.5	.8								5.6	5.5
W	1.7	2.8	2.1	1.2								7.8	6.8
WNW	1.4	1.7	1.1	.4	.2							4.9	5.1
NW	1.2	1.7	.6	.1								3.6	2.7
NNW	1.5	2.4	.4									4.3	4.3
VARBL	1.5											1.5	2.7
CALM												21.5	
	35.3	26.8	12.0	4.2	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 144

DATA PROCESSING 131
ETAC/USAF
AIR WEATHER SERVICE/40

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GER A Y/F-475 55-7 YEARS MONTH 3-5-55
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.5	.4									8.1	3.1
NNE	.9	.3	.3									1.5	2.1
NE	.4	.2	.3									.9	4.3
ENE	.9	.3	.7	.1	.1							2.7	5.5
E	7.4	4.2	1.4	.5	.1							13.5	4.1
ESE	8.4	4.7	.4									13.5	5.0
SE	2.7	1.4	.1									4.2	3.2
SSE	.7	.5	.1									1.2	3.5
S	1.2	1.1	.6	.1								3.1	4.6
SSW	1.7	1.5	.6									3.7	4.2
SW	1.2	1.3	.9									3.3	4.9
WSW	.5	1.6	1.5	.4	.1							4.2	5.7
W	1.5	2.1	2.8	1.5		.1						7.9	7.3
WNW	1.4	1.9	1.7	.8								5.9	5.5
NW	1.7	1.3	.7	.3								4.2	5.7
NNW	1.9	1.9	.6	.1								4.4	4.4
VARBL	1.5											1.3	1.9
CALM												19.9	
	36.3	26.9	12.5	3.8	.2	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING 11-11
ETAC/USAF
AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME MURNBERG GERMANY/FORTH YEARS 55-7 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	.2	.1								3.8	5.1
NNE	.7	.8	.4	.2								2.1	5.2
NE	.7	.3	.3									1.3	4.4
ENE	.5	.5	.6	.3								1.9	7.1
E	2.9	3.8	2.6	1.5	.1	.1						11.0	6.3
ESE	5.4	4.3	.9	.2								11.6	5.1
SE	3.0	2.3	.3									5.6	3.5
SSE	2.6	1.1	.7									4.4	3.9
S	1.8	1.0	.7	.1								3.5	4.2
SSW	.9	1.4	1.4									3.7	3.4
SW	1.3	1.7	1.2	.1								4.2	5.2
WSW	1.3	1.7	2.7	.9	.3							5.5	7.4
W	2.4	1.8	3.3	2.1	.4							11.1	7.1
WNW	1.4	1.4	1.4	1.3								5.5	7.5
NW	1.6	2.5	1.9	.9								5.8	6.2
NNW	1.5	2.0	.8	.3								4.9	4.5
VARBL	1.7	.1										1.8	2.1
CALM												12.3	
	30.9	27.8	20.1	7.9	.8	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1439

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36177
STATION

NURNBERG GERMANY/F-7
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

51-12
HOURS (L & T)

CONDITION

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.5	.6								2.5	4.3
NNE	.3	.9	.9	.2								2.3	4.1
NE	.1	.9	.9	.3								2.3	7.5
ENE	.3	.8	1.4	.6								3.8	7.1
E	.9	1.2	2.9	2.4	.3	.2						7.7	5.1
ESE	.9	1.2	1.7	.6								4.4	6.9
SE	1.1	1.2	1.2	.1								3.5	5.4
SSE	1.7	1.8	1.0	.1								4.7	4.7
S	1.8	2.7	.5	.1								5.4	4.7
SSW	1.5	2.2	1.0	.3								4.9	3.1
SW	1.0	1.1	1.3	.3								3.7	5.1
WSW	1.4	2.6	3.1	2.5	.4	.1						17.1	8.2
W	3.0	3.2	4.2	6.0	1.2	.1						9.9	8.1
WNW	1.7	2.8	2.5	2.0	.6	.1						9.9	8.1
NW	.4	1.2	2.0	1.6	.1							4.9	5.3
NNW	.5	2.2	1.9	.9								3.6	7.3
VARBL	2.5	.3										2.1	2.3
CALM												1.6	
	20.2	28.6	28.5	18.1	2.7	.4						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

144

DATA PROCESSING 11-151
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177 STATION NURNBERG GERMANY/FURTH 35-7. YEARS NORTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	2.9	.4								5.7	6.0
NNE	.3	1.1	2.0	.3								3.5	7.5
NE	.2	.7	1.4	.5								2.5	7.5
ENE	.2	.5	1.2	.4								2.5	7.5
E	.5	1.4	1.9	2.7	.3	.2						4.2	10.2
ESE	.1	1.1	1.2	.4	.1							2.4	7.7
SE	.2	.8	1.0	.1								2.0	6.2
SSE	.3	1.5	1.0	.4								3.5	6.9
S	.7	1.3	1.2	.1								3.5	6.3
SSW	.3	1.3	1.6	.2								3.4	6.5
SW	.2	1.3	1.2	.7								3.5	7.7
WSW	1.5	2.1	3.2	1.7	.6	.1						9.1	10.2
W	1.5	3.6	5.5	5.5	1.8	.1						25.2	10.1
WNW	1.5	2.8	4.7	2.8	.5							12.3	8.5
NW	.4	2.0	3.3	1.9	.1	.1						7.5	8.5
NNW	.6	1.6	1.8	.5								4.6	7.7
VARBL	3.2	1.3	.1									4.7	10.2
CALM												.5	
	12.7	25.7	36.4	19.8	3.2	.5						100.7	8.7

TOTAL NUMBER OF OBSERVATIONS 1447

DATA PROCESSING 1-151
ETAC/USAF
AIR WEATHER SERVICE/ AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY
STATION NAME

55-7
YEARS

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.9	3.2	.6								2.6	4.7
NNE	.5	1.5	2.2	.6								6.9	7.2
NE	.3	1.2	1.9	.4								1.3	7.3
ENE	.5	1.2	1.2	.7								3.8	7.7
E	.3	1.9	3.2	2.2	.5							5.2	5.3
ESE	.4	1.5	1.2	.1								3.2	6.2
SE	.3	.7	.9	.4								2.3	7.3
SSE	.2	.7	1.2	.1								2.1	6.5
S	.4	.6	.9	.1								2.2	6.9
SSW	.6	.5	1.2	.1								2.4	5.4
SW	.6	1.2	1.2	.3								3.4	6.5
WSW	.7	2.2	2.8	1.4	.1							9.2	15.1
W	1.7	4.6	6.2	4.6	.5							17.4	15.6
WNW	1.1	2.9	4.9	2.9	.4	.2	.1					12.5	9.1
NW	1.2	2.6	2.3	1.3	.2	.1						5.2	7.6
NNW	1.1	1.7	1.2	1.2								5.9	7.5
VARBL	2.2	.8										2.9	2.4
CALM												1.1	
	12.7	30.5	35.9	17.0	2.2	.3	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

144

DATA PROCESSING UNIT:
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NO. NURNBERG GERMANY/F 474 STATION NAME 55-71 YEARS MONTHS 12 -2000 MONTHS (LAST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	2.8	1.4	.2								7.1	4.0
NNE	1.4	2.2	.9	.1								6.5	4.0
NE	1.5	2.8	1.4	.2								8.4	5.0
ENE	1.7	1.4	1.3	.2								4.0	5.0
E	3.9	6.4	3.3	1.2	.1							14.0	5.0
ESE	1.3	2.4	.7		.1							4.0	4.0
SE	.8	.7	.2									1.0	4.0
SSE	.5	1.0	.6									2.0	5.0
S	.9	1.2	.5									2.0	4.0
SSW	.8	1.7	.6									3.0	4.0
SW	.9	2.2	.3	.1								3.0	3.0
WSW	.8	1.6	2.1	.9								5.0	7.0
W	1.7	3.3	2.3	1.2	.1							9.0	6.0
WNW	1.8	2.1	1.7	1.3	.1							6.0	5.0
NW	1.9	2.4	1.3	.9	.1							6.0	5.0
NNW	2.0	2.4	1.0	.3	.1							5.0	5.0
VARBL	1.3	.2										1.3	2.2
CALM													
	25.2	36.6	20.4	6.7	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 144

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GER A-Y/F YEARS 55-7 MONTH 21-23
CLASS ALL WEATHER MOLES (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.8	.3									4.7	3.1
NNE	1.7	1.2	.2	.1								2.6	2.2
NE	1.7	1.0	.1	.1								2.4	2.0
ENE	1.5	1.2	.9	.5								4.7	3.6
E	6.2	5.9	3.4	1.5	.1							1.7	5.3
ESE	6.2	4.4	1.2									2.8	3.2
SE	1.4	.6	.1									2.6	3.3
SSE	.3	.4	.1									.3	4.4
S	1.2	1.8	.3									3.3	4.3
SSW		1.2	.5									2.5	4.2
SW	1.4	1.4	.6	.1								3.3	4.2
WSW	1.1	1.9	1.9	.9								5.1	6.6
W	2.0	2.5	2.2	.6	.3							7.4	5.1
WNW	1.1	1.5	1.3	.1	.1							4.2	5.6
NW	.9	1.6	1.6	.1								4.2	3.9
NNW	1.7	1.8	1.1	.1								4.7	4.6
VARP	1.2											1.2	2.0
CALM													
	32.8	1.5	15.8	4.1	.4							10.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-7 MONTH 2
CLASS ALL WEATHER HOURS (LST) 200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	.2	.1								3.1	4.4
NNE	.6	.2	.2									1.2	4.1
NE	.7	.4	.1									1.2	3.3
ENE	1.5	.5	.5	.3								2.8	3.7
E	11.3	5.4	3.0	.3								22.0	3.5
ESE	9.3	6.0	.5									13.8	3.2
SE	2.2	.9										3.1	2.9
SSE	.6	.4	.1									1.1	3.6
S	.8	.4	.2									1.4	3.7
SSW	.9	1.0	.5									2.4	4.3
SW	2.2	1.4	.5									4.1	3.9
WSW	1.3	1.6	1.3	.3	.1	.1						4.6	6.1
W	1.9	3.1	1.5	.5	.1							7.2	5.7
WNW	1.3	1.8	1.3	.5	.1							5.7	6.3
W	1.3	.9	.8	.1								3.2	3.0
NNW	1.0	1.4	.3	.1								2.8	4.5
VARBL	1.7	.1										1.9	1.9
CALM												19.2	
	39.7	27.4	11.2	2.3	.3	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1469

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FU-27 YEARS 55-7 MONTH 3
CLASS ALL WEATHER HOURS (L.S.T.) 0000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.1	.4									2.6	3.2
NNE	.6	.1										.7	2.4
NE	.5	.3		.1								.9	3.4
ENE	2.0	.5	.6	.5								3.7	3.7
E	9.7	4.9	1.4									16.1	5.3
ESE	10.0	5.2	.1									25.5	5.1
SE	2.4	1.3	.1									3.7	3.1
SSE	.9	.6	.1									1.6	2.7
S	.9	.3										2.2	2.1
SSW	1.2	1.5	.4									3.2	4.1
SW	1.3	1.5	.5									3.3	4.1
WSW	1.1	2.2	1.0	.3	.1							4.7	5.3
W	1.5	2.5	1.5	.7	.3							6.5	6.0
WNW	1.2	1.3	2.1	.9								5.5	6.4
NW	.8	1.2	.8	.1								3.7	3.2
NNW	1.0	1.0	.1									2.1	3.2
VARBL	1.0											1.7	2.1
CALM												23.9	
	38.6	25.5	8.9	2.6	.3							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1482

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36177
STATION

NURNBERG GERMANY/FORT-
STATION NAME

55-7
YEARS

BORTH

ALL WEATHER
CLASS

4,200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	.7									2.4	4.5
NNE	.7	.5	.3									1.5	4.1
NE	.4	.5		.1								.6	4.4
ENE	.4	.3	.5	.4	.3							1.9	4.1
E	3.1	3.2	3.3	1.9	.1							11.6	5.5
ESE	5.2	2.5	.4	.3								9.3	3.4
SE	3.6	1.3	.7									5.6	3.5
SSE	2.4	2.3	.3									5.0	4.7
S	2.3	1.8	.4	.1								4.6	4.7
SSW	.9	1.3	.3	.1								2.5	6.4
SW	1.2	1.5	.5	.1								3.3	4.7
WSW	1.7	2.3	2.6	.7	.1							7.3	6.2
W	3.1	3.2	3.6	2.2	.2	.1						12.4	7.7
WNW	1.5	1.7	1.5	1.8	.1							6.7	7.6
NW	1.6	1.3	2.1	.6								5.6	6.4
NNW	1.0	1.0	1.2	.3								3.5	6.7
VARBL	2.1	.1										2.2	2.1
CALM												12.3	
	33.5	25.9	18.4	5.5	.7	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

1452

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS MONTH 9-11-70
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.5	1.1									3.2	3.3
NNE	.1	.6	.7	.1								1.5	6.3
NE	.1	.5	.9	.1								1.6	4.0
ENE	.4	.7	1.4	.9	.1							3.5	4.0
E	.5	2.0	3.2	2.6	.1							10.4	7.1
ESE	1.3	1.6	1.7	.9								7.5	6.1
SE	.5	.6	1.0	.1								2.2	6.3
SSE	.3	1.5	1.5	.1								3.9	5.1
S	.9	2.3	.6	.1								3.8	6.1
SSW	.8	1.3	.6	.1								3.1	6.1
SW	.6	1.5	1.4	.2								4.7	6.2
WSW	1.1	2.7	4.0	1.7	.1							9.6	7.6
W	2.3	5.4	4.9	4.0	.9	.3						17.8	10.4
WNW	1.6	3.2	4.2	3.1	.1	.1						12.2	10.1
NW	.9	1.7	2.4	1.5								6.5	7.7
NNW	.4	1.4	2.1	.6								4.5	7.5
VARBL	4.5	1.7	.1									6.4	3.0
CALM												2.7	
	17.6	30.4	31.9	10.1	1.3	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1426

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMA Y/FORT
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

12-14
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.4	.2								2.4	5.4
NNE	.1	1.5	.5	.1								2.4	4.2
NE	.3	1.3	.6	.3								2.4	5.5
ENE	.3	1.1	1.2	.8	.2							2.5	5.4
E	.9	1.7	3.1	2.2	.5							8.3	5.9
ESE	.2	1.3	1.5	.8	.1							3.9	5.2
SE	.2	.4	.7	.1								1.4	5.5
SSE	.7	2.1	.7	.1								3.5	5.2
S	.5	1.3	1.1	.1								3.4	6.2
SSW	.5	1.7	1.3	.2								3.4	6.3
SW	.3	1.2	1.3	.1	.1							2.4	7.1
WSW	.5	2.2	2.9	1.5	.1	.1						7.2	5.1
W	1.1	4.1	6.7	5.3	1.7	.2						18.8	5.3
WNW	.7	3.2	5.2	4.1	.5	.1						14.4	5.3
NW	.7	1.5	2.6	1.7	.2							6.7	8.3
NNW	.7	2.2	3.3	1.3	.1							7.3	7.5
VARBL	3.2	2.0	.3									6.2	3.5
CALM												.3	
	11.5	31.0	34.9	18.3	3.6	.4						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

1483

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FORT-
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

15-17
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.8	2.6	.3								4.3	6.5
NNE	.3	1.3	1.4									2.0	5.0
NE	.6	1.7	.9	.2								3.6	6.7
ENE	.3	1.5	1.7	1.2	.3							5.0	7.1
E	.4	1.2	3.2	1.5	.3							4.0	7.7
ESE	.4	1.5	1.5	.7	.1							4.0	7.6
SE	.3	1.2	.4									1.9	5.7
SSE	.5	1.7	.9									3.4	5.5
S	.6	1.3	.8									2.9	6.2
SSW	.5	1.1	1.0	.1								2.7	5.5
SW	.3	.9	1.3	.2								2.5	6.6
WSW	.8	1.9	1.7	1.4								5.8	7.7
W	1.3	3.6	4.9	4.3	1.0	.1						15.5	9.1
WNW	.9	3.2	5.6	5.1	.7	.1						15.5	9.6
NW	.6	2.4	2.5	2.2	.2	.1						7.9	8.7
NNW	.9	2.4	3.1	.9	.1							7.4	7.7
VARBL	2.6	1.7										4.3	3.2
CALM												1.5	
	12.0	21.6	33.8	13.1	2.7	.3						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1400

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FORT
STATION NAME

55-7
YEARS

2
MONTH

ALL WEATHER
CLASS

-2
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.0	.4									7.1	4.0
NNE	2.4	1.9	.6	.1								4.3	4.0
NE	1.3	1.9	.8									4.0	4.7
ENE	3.2	2.0	1.2	.7	.1							7.3	5.0
E	3.6	6.5	3.1	.7								13.5	8.4
ESE	1.9	1.9	.9	.1								4.9	4.7
SE	.3	1.1	.4	.1								2.1	5.0
SSE	.5	.5	.3	.1								1.4	5.0
S	.7	.7	.2									1.7	4.1
SSW	.9	1.2	.5	.2								2.7	5.3
SW	1.1	.9	.6	.1								2.7	3.1
WSW	1.1	2.6	1.5	.7	.1							6.0	6.6
W	2.2	4.6	3.6	1.7	.1							12.4	6.7
WNW	1.1	2.0	2.9	1.4	.3		.1					7.7	7.9
NW	1.6	2.8	1.7	.6								6.7	5.9
NNW	1.5	2.3	1.1	.1								5.0	5.1
VARBL	1.2	.2										1.4	2.0
CALM												.2	
	27.9	36.2	20.4	6.7	.6		.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1489

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-7 MONTH 1
CLASS ALL WEATHER HOURS (LST) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.2	.1	.1								2.7	3.2
NNE	1.7	.9	.3									2.2	3.2
NE	1.4	.7	.3	.1								2.2	3.4
ENE	3.0	.8	.7	.3								4.2	4.1
E	10.3	6.7	4.5	.3								22.6	4.4
ESE	5.5	4.2	.3									10.1	3.3
SE	1.6	.6	.1	.1								2.3	3.2
SSE	.7	.5	.1									1.3	4.3
S	1.2	.9	.2									2.4	3.7
SSW	1.1	.7	.3	.1								2.2	4.3
SW	1.5	1.7	.3	.1								3.5	3.9
WSW	.9	2.6	1.1	.3	.1							4.4	3.7
W	1.4	2.2	2.0	.9	.1							4.5	3.8
WNW	1.5	1.7	1.1	.4								4.3	3.5
NW	.9	1.1	1.1	.1								3.3	3.9
NNW	1.3	1.1	.7	.1								3.2	4.4
VARBL	1.7	.1										1.9	2.1
CALM												1.5	
	38.1	23.9	13.2	2.8	.1							50.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1427

DATA PROCESSING INSTITUTE
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMA Y/FORT- 55-7
STATION NAME YEARS
ALL WEATHER CLASS MONTH 10-12
NOVRS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.4	.1									3.5	3.2
NNE	1.3	.2	.1									1.6	2.3
NE	1.4	.4	.1									1.9	2.7
ENE	2.9	.6	.3									3.7	2.7
E	11.0	4.4	2.0	.3								17.7	3.6
ESE	8.9	3.3	.3									12.4	3.1
SE	1.7	.5										2.2	2.7
SSE	.5	.4	.1									1.0	3.4
S	.8	.6	.1									1.5	3.5
SSW	1.2	.8	.3									2.3	4.7
SW	1.2	1.0										2.3	3.5
WSW	.8	2.3	.7	.3								4.1	3.4
W	2.7	2.4	1.9	1.1	.2							7.6	3.3
WNW	1.7	2.0	1.6	.5								4.8	3.5
NW	1.1	2.2	.5									3.9	4.6
NNW	1.2	1.0	.6									2.8	4.4
VARBL	1.8	.3										2.1	2.7
CALM												22.1	
	42.8	23.6	8.9	2.2	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 144

1
DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG, GERMANY/F.R.G. 55-7
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.2	.2	.1								1.2	4.1
NNE	.8	.1	.1									.8	2.7
NE	1.0	.3	.2									1.5	3.2
ENE	1.3	.5	.1	.1								1.9	3.1
E	10.8	3.7	1.7	.2								15.4	3.4
ESE	8.8	4.8	.1	.1								13.8	3.1
SE	2.5	.8										3.4	2.0
SSE	1.0	.1										1.1	2.3
S	1.6	.7	.1									2.4	3.2
SSW	1.0	.9	.1									2.0	3.5
SW	1.1	1.3	.1									2.4	3.3
WSW	1.7	1.9	.7	.3								4.6	4.3
W	1.7	2.8	1.6	1.5	.1							7.7	5.4
WNW	1.7	2.4	1.5	.2								6.8	5.6
NW	1.5	1.2	.5	.1								3.3	4.2
NNW	1.7	.9	.6									3.2	4.3
VARBL	1.8	.3										2.1	2.1
CALM												23.3	
	42.0	23.5	7.9	2.5	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 1430

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/F-RT-
STATION NAME

55-7
YEARS

ALL WEATHER
CLASS

CONDITION

MONTH

5 6 7
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.6	.1								3.2	4.2
NNE	.4	1.0	.5	.1								1.9	3.1
NE	.3	.6	.2									1.6	4.0
ENE	.3	.7	1.0	.1								2.0	3.8
E	3.3	2.2	2.4	1.8	.1							3.9	5.5
ESE	5.2	2.4	.7	.2								1.0	3.0
SE	3.2	1.9	.2									1.8	3.4
SSE	2.2	2.0	.3									4.5	5.4
S	1.8	1.9	.1									3.5	4.0
SSW	1.1	1.2	.3									2.5	4.0
SW	.8	1.4	.3									2.8	4.0
WSW	1.9	2.3	1.5	.3	.1							3.2	5.5
W	3.4	5.3	4.5	1.9	.3							15.4	5.0
WNW	1.8	2.2	2.4	1.2	.1	.1						9.5	6.4
NW	1.0	2.1	1.7	.1								4.5	5.9
NNW	1.2	1.5	1.5	.1								4.4	5.9
VARBL	1.9	.3										3.3	2.2
CALM												12.6	
	31.1	30.9	16.5	5.8	.6	.1						150.7	4.6

TOTAL NUMBER OF OBSERVATIONS

144

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMA Y/FLTH
STATION NAME

53-7
YEARS

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.9	1.5	.1								4.2	8.2
NNE	.4	1.2	1.1	.1								2.2	5.7
NE	.4	.8	.9	.2								2.4	6.5
ENE	.4	1.4	1.1	.3	.1							3.3	5.7
E	.5	1.9	2.3	1.2								5.5	7.7
ESE	1.2	2.3	1.5	.3	.1							6.5	6.1
SE	.3	1.0	.4									1.7	5.3
SSE	.3	2.0	.5									2.5	5.3
S	1.7	2.0	1.0									4.7	4.5
SSW	.8	1.7	.3	.1								3.5	5.1
SW	.5	.8	1.3	.1								2.5	5.6
WSW	1.6	1.9	2.7	.5								6.2	6.5
W	3.0	4.9	6.6	3.7	.6							14.7	7.5
WNW	1.5	4.1	5.5	2.9	.1	.1	.1					14.5	8.7
NW	.9	2.0	2.6	.5								6.7	6.6
NNW	.5	2.5	1.6	.3								4.5	6.2
VARBL	4.2	2.2	.1	.1								6.7	3.2
CALM												2.5	
	19.0	34.7	32.1	10.8	.8	.1	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-7
YEARS

MONTH

ALL WEATHER
CLASS

12-140
NODES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.7	1.9	.4								4.2	5.3
NNE	.3	1.7	1.3	.8								4.2	5.3
NE	.2	1.0	.9	.2								2.2	4.2
ENE	.1	.9	1.2	.6	.1							2.2	4.2
E	.5	1.5	1.7	1.2	.1							2.2	4.2
ESE	.8	1.7	1.7	.4								4.4	5.3
SE	.1	1.0	.7	.1								2.2	4.2
SSE	.4	1.0	1.5									3.2	4.2
S	.8	1.7	.9	.1								3.2	4.2
SSW	.3	1.9	.5									3.2	5.3
SW	.3	1.2	1.3	.1								3.2	5.3
WSW	1.0	2.8	2.0	.6	.1							4.2	5.3
W	1.0	5.0	7.3	5.0	.5	.1						19.2	5.3
WNW	1.0	3.0	5.8	3.5	.6	.2						14.2	5.3
NW	.6	1.7	4.4	2.4								9.2	5.3
NNW	.5	1.9	1.7	.6								4.7	5.3
VARBL	4.2	3.5	.1									2.2	5.3
CALM												.7	
	13.2	27.3	35.1	16.0	1.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 144

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/EARTH STATION NAME 55-7 YEARS MONTH 1-17 HOURS (LST) 17
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	%	MEAN WIND SPEED
N	.8	1.9	2.7	.3							8.4	6.4
NNE	.3	1.5	1.9	.3							6.1	7.2
NE	.3	1.2	1.0	.5							5.4	6.2
ENE	.3	1.3	1.6	.6							7.7	7.4
E	.8	1.0	3.1	1.8	.1						6.4	5.4
ESE	.9	2.1	1.2	.2							4.6	5.7
SE	.5	1.0	.6								2.1	5.7
SSE	.4	.8	.6	.1							2.1	5.5
S	.1	1.0	.8								1.5	6.1
SSW	.6	1.2	.8	.1		.1					2.3	6.1
SW	.6	.9	.3								2.2	5.4
WSW	1.0	2.1	2.1	.8							6.4	6.7
W	1.9	4.7	6.7	4.4	.3						16.7	5.4
WNW	1.3	3.3	5.7	5.8	.3	.1					16.5	9.2
NW	.4	2.8	3.7	1.3	.1						5.3	7.3
NNW	.7	2.7	2.9	.6							6.9	6.7
VARBL	2.9	1.9	.1								4.9	3.3
CALM											.7	
	13.9	31.5	36.0	16.9	.8	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-7
YEARS

ALL WEATHER
CLASS

150-200
HOURS (L.A.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.3	1.0									4.7	4.7
NNE	2.3	1.5	.8	.2								4.4	4.4
NE	1.6	2.1	.9	.1								4.5	4.5
ENE	2.1	1.6	1.2	.1								4.5	4.5
E	3.1	4.1	2.9	.4								5.3	5.3
ESE	1.5	1.6	.1									2.9	2.9
SE	.8	.8	.2									2.9	2.9
SSE	.3	.5	.3									4.5	4.5
S	.5	.8			.1							4.5	4.5
SSW	.4	.9	.2		.1							5.4	5.4
SW	1.4	1.5	1.0	.1								5.4	5.4
WSW	1.9	2.0	1.4	.1	.1							5.4	5.4
W	2.6	4.4	4.3	1.9	.1	.1						13.2	7.2
WNW	1.6	3.1	3.0	1.4	.2	.1						9.4	7.2
NW	1.9	3.3	2.4	1.2								8.7	6.3
NNW	2.4	2.2	1.7	.1								6.3	4.3
VARBL	1.7	.3										2.5	2.5
CALM												3.5	
	29.7	34.0	21.2	5.7	.6	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 144

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FORT
STATION NAME

55-7
YEARS

21-23
MONTHS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	.5	.1	.1								4.3	3.1
NNE	1.3	1.2	.3									2.8	4.1
NE	1.1	.8	.2									2.3	3.5
ENE	3.1	.6	.7									4.4	3.4
E	10.5	5.2	3.1	.3								19.6	4.3
ESE	3.6	2.7	.1									6.3	3.5
SE	1.0	.6	.1	.1								1.8	4.2
SSE	.6	.2										.8	3.7
S	1.4	.2		.1								1.7	2.9
SSW	1.1	1.0	.2									2.3	3.7
SW	1.7	.8	.1	.1								2.6	3.3
WSW	1.7	2.6	1.0	.3								5.6	3.1
W	2.2	3.0	2.3	1.3	.1							9.2	6.6
WNW	1.5	2.2	2.2	.8								6.3	6.3
NW	1.6	1.7	1.1	.1								4.5	3.7
NNW	1.0	.7	.5	.3								2.4	3.1
VARBL	2.0	.1										2.1	3.9
CALM												20.7	
	38.6	24.7	12.0	3.8	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1438

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-7
YEARS

0-1
MONTH

ALL WEATHER
CLASS

1000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2										.7	2.8
NNE	.5	.4										.9	3.1
NE	.4	.1										.5	2.1
ENE	1.5	.1										1.7	1.9
E	12.0	4.2	.5	.1								16.8	3.1
ESE	10.4	4.5	.2									15.1	3.1
SE	1.7	.7										2.4	2.9
SSE	1.0	.2										1.2	2.9
S	2.1	.7										2.8	2.8
SSW	1.8	1.7	.2									3.7	2.7
SW	2.0	2.6	.3									5.0	3.9
WSW	2.0	2.3	.9	.2								5.4	4.8
W	2.4	3.3	1.8	.4								7.9	5.3
WNW	1.0	1.7	.9	.8	.1							4.5	6.6
NW	.5	.7	.2	.2								1.7	5.3
NNW	.3	.7	.1									1.1	4.5
VARBL	1.0	.3										2.2	2.3
CALM												25.3	
	42.1	24.5	5.4	1.7	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FORT- 55-7: YEARS MONTH 03-0500
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5										.2	3.1
NNE	.2											.2	2.3
NE	.2											.2	1.9
ENE	1.7	.1										.4	1.9
E	10.8	3.9	.3									4.9	3.1
ESE	11.5	5.1										6.6	3.1
SE	2.6	.9	.1									3.4	2.9
SSE	.8	.8	.1									1.7	3.4
S	2.1	.9										3.2	2.9
SSW	1.3	1.1	.1									2.5	3.4
SW	1.6	1.8	.3	.1								3.3	4.1
WSW	1.8	2.6	1.1									5.5	4.9
W	2.3	3.5	1.8	1.1	.1							8.7	5.9
WNW	1.4	2.2	.9	.6								5.2	5.7
NW	1.0	.8	.3	.1								2.2	4.3
NNW	.2	.9	.2	.1								1.5	5.3
VARBL	1.7	.3										1.9	2.2
CALM												25.4	
	41.9	25.5	5.2	2.0	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FORTH
STATION NAME

55-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.2									1.3	4.2
NNE	.2	.3										.4	3.2
NE	.1	.2	.1									.4	4.5
ENE	.3	.1	.2									.5	4.8
E	6.2	1.6	.6	.1								6.5	3.5
ESE	7.3	2.7	.5	.1								10.6	3.2
SE	4.0	1.7	.1									5.9	3.2
SSE	2.5	1.6	.3									4.4	3.6
S	2.8	1.6	.3									4.7	3.5
SSW	1.6	1.5	.4									3.5	4.1
SW	1.8	1.9	.7									4.4	4.4
WSW	2.7	3.6	2.0	.5								5.7	5.3
W	3.2	3.8	4.3	2.1								15.4	6.4
WNW	2.4	2.2	2.3	1.5	.1							8.5	6.6
NW	1.2	2.1	1.1	.1								4.6	5.2
NNW	1.3	1.2	.3	.1								2.9	4.1
VARBL	2.5	.1										2.4	2.1
CALM												13.1	
	38.8	29.3	13.5	4.5	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 ALL WEATHER
CLAS
HOURS (LST) 0500-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	.5	.2								2.6	5.6
NNE	.5	.7	.3									1.5	4.6
NE	.1	.5	.1									.7	3.7
ENE	.5	.3	.6	.1								1.5	6.3
E	1.1	.9	1.5	.1								3.6	5.8
ESE	.9	1.0	.9	.1	.1							2.9	5.4
SE	.7	1.3	.8									2.3	5.2
SSE	.9	1.3	.9									3.1	5.2
S	1.7	2.2	1.3									3.2	4.7
SSW	.9	1.8	.8									3.5	5.2
SW	1.5	1.1	.6	.3								3.6	4.9
WSW	2.6	3.4	3.4	1.1		.1						10.4	6.4
W	3.8	6.5	8.1	3.6	.5							24.6	8.0
WNW	1.5	3.9	3.8	3.5	.1							12.8	7.8
NW	.7	2.8	2.4	.7		.1						6.7	7.0
NNW	1.0	1.7	1.7	.1								4.6	5.8
VARBL	5.3	2.2	.1									7.5	2.8
CALM												2.2	
	24.3	33.0	27.8	11.9	.7	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1489

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS 1941 MONTHS 1200-1400 HOURS (L & T)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.7	.2								4.6	6.1
NNE	.3	1.1	.2									1.5	4.7
NE	.5	.6	.4									1.3	5.2
ENE	.7	1.3	.9									2.9	5.8
E	.3	.9	1.0	.3								2.6	6.7
ESE	.5	1.6	.9									3.1	5.5
SE	.2	.7	.7									1.6	5.8
SSE	.1	1.0	.6	.1								1.6	6.2
S	.7	1.7	.5	.1								2.9	5.3
SSW	.4	1.6	1.3	.1								3.3	6.3
SW	.5	1.1	1.2	.5								3.4	6.6
WSW	.9	3.6	3.6	1.6	.1							9.8	7.9
W	1.3	4.5	9.2	9.9	.7	.1						25.8	9.7
WNW	.9	3.6	6.4	3.8	.3							15.2	8.7
NW	.5	2.3	3.2	1.3	.1							7.3	8.0
NNW	.5	1.7	1.4	.9								4.5	7.1
VARBL	4.6	2.3	.3									7.2	3.5
CALM												1.1	
	14.0	31.2	33.4	18.7	1.3	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.8	2.2	.2								6.3	5.9
NNE	.5	1.7	.9									3.0	5.4
NE	.7	1.2	.8	.1								2.8	5.4
ENE	.1	1.5	.6	.2								2.4	6.4
E	.5	1.5	1.4	.2								3.7	6.3
ESE	.5	1.9	.7	.1								3.2	5.4
SE	.5	.8	.2	.2								1.6	4.5
SSE	.3	.7	.5	.1								1.6	5.8
S	.5	1.3	.3									2.1	5.1
SSW	.5	1.0	.9	.1								2.6	6.0
SW	.5	1.5	.7	.3								3.0	6.1
WSW	.8	3.1	2.8	1.0	.1							7.8	7.2
W	1.7	5.0	8.9	6.8	.3							22.8	8.8
WNW	.7	3.8	6.2	5.4	.4							16.3	9.2
NW	.7	2.2	4.2	1.7								8.9	7.9
NNW	.7	2.4	2.6	.5	.1							6.2	6.8
VARBL	3.0	1.2	.1									4.4	3.0
CALM												1.1	
	13.4	33.7	34.1	16.7	.9							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1498

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH JUL
CLASS ALL WEATHER MONTH 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	2.2	.9									7.7	3.6
NNE	1.8	1.9	.1									3.9	3.6
NE	1.9	1.1	.5	.1								3.6	4.0
ENE	2.2	1.2	.5	.1								4.0	3.8
E	3.9	3.0	.8	.1								7.9	4.1
ESE	1.1	1.9	.2									3.2	4.2
SE	.5	1.1	.1									1.6	4.2
SSE	.8	.5	.3									1.6	4.0
S	.9	.6	.3									1.8	4.1
SSW	1.7	1.3	.6									3.6	4.3
SW	1.2	1.5	.3									3.0	4.1
WSW	1.9	3.6	1.8	.5								7.9	5.5
W	3.4	5.6	5.6	2.0								16.7	6.6
WNW	2.4	3.2	3.6	1.3	.2							10.6	6.7
NW	2.1	3.1	1.1	.5	.1							6.9	5.3
NNW	1.6	2.0	1.4	.3	.1							5.4	5.3
VARBL	.8	.2										1.0	2.3
CALM												9.8	
	32.7	34.2	16.1	4.9	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

111
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.1		.1								1.4	3.0
NNE	.9	.3										1.2	2.8
NE	1.4	.5	.1									1.9	2.8
ENE	2.0	.4	.1									2.6	2.7
E	10.3	5.4	.9									16.7	3.4
ESE	5.2	3.4	.3									8.9	3.3
SE	1.5	.9										2.4	3.1
SSE	.7	.5	.1									1.2	4.0
S	1.4	.5	.2									2.1	3.5
SSW	1.8	1.3	.5	.1								3.6	4.0
SW	2.4	1.5	.5									4.4	3.9
WSW	3.1	3.4	1.0	.1								7.6	4.4
W	2.4	4.0	2.1	.7	.2							9.4	5.8
WNW	1.6	2.0	1.6	.3	.1							5.6	5.6
NW	1.1	1.1	.3	.3								2.8	4.9
NNW	.9	.5										1.5	3.2
VARBL	1.9	.1	.1									2.1	2.2
CALM												24.7	
	30.9	25.3	7.8	1.5	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH AUG
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.1									1.0	2.3
NNE	.3	.2										.5	3.0
NE	1.0	.1										1.1	1.9
ENE	2.2	.1	.2									2.6	2.4
E	11.6	3.0	.8	.1								15.5	2.9
ESE	11.9	4.2										16.1	2.8
SE	3.0	.9										3.9	2.7
SSE	1.0	.7										1.7	3.4
S	2.3	1.0	.1									3.4	3.2
SSW	1.8	2.0	.3									4.1	3.7
SW	1.5	2.3	.7									4.6	4.4
WSW	1.7	2.8	1.1	.2								5.8	4.9
W	1.8	2.3	1.2	.6	.1							6.0	5.6
WNW	1.3	1.1	.3	.1								2.9	4.2
NW	1.7	.9	.2	.1	.1							3.0	3.9
NNW	.5	.3										.8	2.9
VARBL	2.1											2.1	2.1
CALM												25.1	
	46.6	22.2	5.0	1.0	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 NURNBERG GERMANY/FURTH

55-70

AUG

ALL WEATHER

0300-0500

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.2										1.3	2.5
NNE	.5	.1	.1									.7	3.0
NE	.7	.2										.9	2.6
ENE	1.4	.3	.1									1.8	2.8
E	11.3	2.9	.3	.1								14.6	2.5
ESE	11.9	4.7	.1									16.7	2.9
SE	3.8	1.3										5.1	2.9
SSE	1.5	.5	.1									2.2	3.2
S	2.2	1.9	.3									4.4	3.6
SSW	1.7	1.5	.3									3.6	3.9
SW	1.9	1.7	.3									3.9	3.8
WSW	1.5	1.9	1.5	.1								5.0	5.1
W	1.7	2.6	1.2	.3								5.8	5.1
WNW	1.0	1.2	.3	.4								3.0	5.2
NW	.9	.9	.2	.3								2.3	5.0
NNW	.6	.3	.1									1.3	4.0
VARBL	1.2											1.2	2.1
CALM												26.3	
	45.0	22.5	5.0	1.1								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEAR 55-70 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	.2									2.2	3.5
NNE	.3	.2	.1									.6	4.0
NE	.4	.1	.2									.7	4.3
ENE	.7	.3	.4	.1								1.5	4.8
E	5.9	2.1	1.7	.1								9.8	3.8
ESE	8.0	3.5	.6	.1								12.2	3.3
SE	3.8	1.5	.1									5.4	3.1
SSE	3.3	2.0	.2									5.6	3.5
S	2.6	2.2	.5									5.3	3.9
SSW	1.5	2.2	.4	.1								4.2	4.7
SW	2.2	2.2	.5									4.6	4.2
WSW	2.2	3.0	3.2	.4								8.8	6.0
W	2.6	2.5	3.8	1.1								10.0	6.4
WNW	1.0	1.7	.6	.9								4.2	6.3
NW	1.3	1.5	.5	.1								3.6	5.5
NNW	.9	1.1	.6									2.6	4.6
VARBL	1.7											1.7	1.8
CALM												16.5	
	40.0	26.9	13.7	2.9								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

35-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	.1	.1								2.8	4.2
NNE	.3	.1	.5	.1								1.1	6.4
NE	.1	.4	.3									.8	5.6
ENE	.6	1.1	.7									2.4	5.5
E	1.2	1.9	2.1	.6								5.8	6.4
ESE	1.8	1.2	1.8	.2								5.0	5.5
SE	1.4	1.2	.9									3.5	4.7
SSE	1.7	2.2	.9	.1								4.9	4.6
S	3.4	2.2	.7									6.3	3.8
SSW	1.9	2.0	1.2	.1								5.2	4.8
SW	1.0	1.3	.7	.1								3.2	5.1
WSW	2.6	2.4	4.1	1.1		.1						11.3	6.5
W	2.7	4.4	9.0	5.4	.3							21.8	8.2
WNW	1.9	2.3	2.8	1.3	.1							8.5	6.9
NW	1.0	1.9	1.3	.3								4.6	5.7
NNW	1.1	2.2	.3		.1							3.5	5.0
VARBL	4.6	.7	.1									5.4	2.5
CALM												3.6	
	28.3	30.4	27.6	9.4	.6	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

1428

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 1200-1400
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	.5									2.8	4.6
NNE	.7	.8	.7									2.2	3.0
NE	.3	1.3	.3	.1								2.1	3.6
ENE	.5	.7	.8	.2								2.2	6.4
E	1.1	2.2	1.5	.8								5.7	6.4
ESE	.8	1.9	1.6	.3								4.7	6.2
SE	.5	1.7	.7	.1								3.1	5.6
SSE	.5	1.4	.9	.1								2.4	5.5
S	1.5	2.4	.7									4.5	4.6
SSW	.3	1.7	1.1	.1								3.0	5.4
SW	.7	1.1	1.0	.4								3.2	5.7
WSW	1.0	3.4	4.2	1.5	.1							10.3	7.5
W	1.7	4.9	9.1	6.9	1.1							23.7	9.1
WNW	1.1	2.5	3.0	2.7	.1							11.4	8.4
NW	.0	2.9	3.1	.3	.1							7.4	6.8
NNW	1.4	1.9	1.8	.2								5.3	5.6
VARBL	2.8	1.3	.1									4.2	3.1
CALM												.7	
	17.3	33.4	33.2	14.0	1.4							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
 WTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH AUG
 CLASS ALL WEATHER MONTHS (LST) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.5	1.3	.3								6.9	4.8
NNE	.7	1.1	.9									2.7	3.4
NE	1.1	1.3	1.1	.1								3.9	3.4
ENE	.7	1.7	1.1	.1	.1							3.6	3.8
E	.9	2.4	2.0	.3								5.6	6.2
ESE	1.4	1.8	.9	.1								4.2	5.2
SE	.5	1.1	.3	.1								2.1	3.2
SSE	1.1	.9	.4	.1								2.6	4.4
S	1.1	1.5	.7									3.3	4.8
SSW	1.0	1.3	.9	.1								3.4	5.2
SW	.6	1.7	.7	.2								3.2	5.7
WSW	1.0	2.2	3.0	1.3	.1							7.7	7.6
W	2.0	4.6	9.9	5.1	.5	.1						22.1	8.5
WNW	.9	2.9	4.4	2.2	.5							11.0	8.4
NW	.7	2.3	3.1	.9	.2							7.4	7.4
NNW	1.3	1.8	1.7	.2								5.0	5.8
VARBL	2.6	.6										3.2	2.7
CALM												2.1	
	20.6	32.2	32.7	11.0	1.4	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
RTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	1.5	.3	.1								5.7	3.5
NNE	2.1	1.5	.1									3.8	3.4
NE	1.8	1.8	.3									4.0	3.7
ENE	2.9	1.3	.6									4.8	3.5
E	6.4	5.3	1.1	.1								12.8	3.8
ESE	1.9	2.9	.1									4.9	4.1
SE	.8	.7	.1									1.6	3.6
SSE	1.1	.5	.1									1.7	3.5
S	1.9	1.6	.1	.1								3.8	3.7
SSW	1.9	1.6	.3	.1								3.8	3.8
SW	1.5	1.1	.3									2.8	3.8
WSW	2.1	4.0	1.7	.2								6.0	5.2
W	2.9	4.9	3.4	.7	.2							12.1	5.8
WNW	1.7	1.7	1.4	.4	.1							5.4	5.4
NW	1.3	1.9	1.3	.8								5.3	6.2
NNW	2.2	1.5	.5	.1								4.2	4.0
VARBL	1.3	.3										1.7	2.5
CALM												13.6	
	37.5	34.3	11.8	2.6	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 36177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH AUG
CLASS ALL WEATHER
CONDITION _____
HOURS (L.S.T.) 2100-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.3	.1									1.9	2.9
NNE	.3	.2										.5	3.0
NE	1.3	.3	.1									1.7	3.2
ENE	2.2	.3	.1	.1								2.8	2.7
E	11.8	4.9	1.0									17.7	3.3
ESE	7.8	4.0	.4									12.2	3.2
SE	2.6	.7										3.3	2.8
SSE	1.3	.5	.1									1.9	3.0
S	1.6	1.4										3.0	3.3
SSW	2.1	1.9	.3									4.3	3.6
SW	2.7	2.2	.3									4.7	3.7
WSW	1.7	3.0	1.5	.2								6.5	3.3
W	2.8	2.8	1.6	.7								7.9	3.3
WNW	.9	.5	.3	.1								1.7	4.2
NW	1.1	.8	.7	.1								2.7	4.6
NNW	.6	.4	.1									1.1	3.4
VARBL	1.2	.1										1.3	2.1
CALM												24.9	
	42.9	24.5	6.6	1.1								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.6										2.4	2.5
NNE	.7	.1										.8	2.4
NE	.7	.1										.8	2.3
ENE	1.6	.3	.3									2.2	3.1
E	11.0	4.0	1.5	.2								16.6	3.4
ESE	11.7	5.1	.3									17.1	3.1
SE	3.3	.6										3.8	2.5
SSE	1.0	.3	.1									1.4	3.2
S	1.2	1.1										2.4	3.4
SSW	1.5	1.7	.1									3.3	3.3
SW	1.2	.8	.9									3.0	4.8
WSW	1.6	2.4	2.2	.2								5.3	5.6
W	1.7	1.3	1.7	.8								5.6	6.1
WNW	1.2	1.0	.4	.1								2.8	4.4
NW	.4	.5	.3									1.2	4.9
NNW	.9	.3										1.2	2.5
VARBL	1.2											1.2	2.1
CALM												27.9	
	42.8	20.3	7.7	1.2								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NUERNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.1										1.9	2.0
NNE	.6	.3										.8	2.8
NE	1.2	.1										1.4	2.2
E-NE	1.0	.5	.2									1.7	3.6
E	9.0	3.2	.9	.1	.1							13.3	3.4
ESE	12.2	4.7	.4									17.3	3.0
SE	4.1	.6										4.7	2.7
SSE	1.2	.4										1.7	2.6
S	1.9	1.4	.2									3.5	3.6
SSW	1.7	1.5	.6									3.8	4.1
SW	1.3	1.4	.5	.1								3.3	4.4
WSW	1.1	2.0	1.8	.4								5.3	6.2
W	1.4	1.5	1.7	.8	.1							5.3	6.7
WNW	1.7	.3	.6	.1								2.8	4.5
NW	.4	.2	.1									.8	4.0
NNW	.6	.2	.1									1.0	3.6
VARBL	.9	.1										1.0	2.1
CALM												30.3	
	42.3	18.5	7.2	1.5	.2							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.3										2.4	2.3
NNE	.6	.1										.7	2.7
NE	.8	.2										1.0	2.3
ENE	1.1	.4	.8	.1								2.4	3.0
E	3.7	2.8	2.4	.6								11.5	4.7
ESE	10.3	4.6	.7									15.4	3.1
SE	4.5	1.8	.1									6.3	3.0
SSE	2.7	2.0	.4									3.1	3.6
S	2.0	2.0	.3									4.4	3.5
SSW	1.7	1.9	.8									4.4	4.4
SW	1.4	1.4	.8	.1								3.7	3.0
WSW	1.7	1.4	2.0	.4								3.6	6.1
W	1.3	1.9	2.2	1.5								7.1	7.0
WNW	1.0	.9	1.0	.3	.1							3.3	6.0
NW	.8	.4	.1									1.3	3.3
NNW	1.0	1.0	.1									2.1	3.4
VARBL	1.2	.1										1.2	1.7
CALM												22.0	
	40.1	23.3	11.5	3.0	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS SEP MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITIONS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56 - 63	%	MEAN WIND SPEED
N	.8	1.0	.1	.1								2.0	4.5
NNE	.6	.5	.2									1.2	4.7
NE	.6	.6	.3									1.5	4.3
ENE	.9	.8	1.0	.1								2.9	5.8
E	1.5	2.8	3.1	1.6	.3							9.3	7.4
ESE	2.7	2.2	1.7	.3								6.9	4.9
SE	1.7	2.2	1.3	.1								5.2	4.9
SSE	3.1	3.4	1.7	.1								8.3	4.5
S	2.2	2.8	1.0									6.1	4.4
SSW	2.2	2.0	1.2									5.4	4.3
SW	1.2	1.6	1.0	.1	.1							4.0	5.3
WSW	1.5	1.8	2.7	1.1	.1							7.2	7.2
W	3.0	3.7	3.6	4.7	.8							15.7	8.4
WNW	2.2	2.1	1.2	1.2	.2							6.9	6.4
NW	.8	1.0	.6	.1								2.4	5.1
NNW	1.2	1.2	.2	.1								2.7	4.4
VARBL	4.4	.2										4.6	2.0
CALM												7.7	
	30.4	30.0	20.8	9.6	1.5							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	≥55	%	MEAN WIND SPEED
N	1.1	1.7	.6																	3.5	4.7
NNE	.5	1.1	.6																	2.2	3.0
NE	.3	1.1	.8																	2.2	3.9
ENE	.6	1.7	1.4	.2																3.9	6.1
E	1.2	2.7	2.6	2.0	.1															8.7	7.6
ESE	1.2	2.1	1.7	.4																5.4	6.1
SE	.9	1.7	.5	.1																3.1	3.0
SSE	1.0	3.2	1.2	.1																5.5	3.0
S	1.5	3.2	.6	.1																5.3	4.6
SSW	1.1	2.4	.8	.1																4.4	3.0
SW	1.0	2.0	.9	.1																4.1	3.4
WSW	1.9	2.4	3.0	1.1	.2															8.7	7.0
W	2.6	3.4	4.1	3.9	1.5															17.5	9.5
WNW	1.0	2.5	3.1	1.6	.5	.2														5.5	8.5
NW	.9	2.5	1.5	.4	.1															5.4	6.3
NNW	1.0	1.9	.9	.1																4.0	5.2
VAKBL	4.0	1.0																		5.1	2.5
CALM																				2.3	
	21.9	36.8	24.1	12.2	2.5	.2														100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1640

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FURTH 59-70 YEARS SEP MONTH 1500-1700 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.2	.5	.2								7.2	4.1
NNE	1.4	1.7	.5	.1								3.7	4.6
NE	2.4	1.1	.3									3.8	3.6
ENE	.8	2.1	1.4	.1								4.4	3.7
E	2.6	3.8	3.3	1.6	.1							11.3	3.4
ESE	1.7	2.2	.9	.2								5.9	4.9
SE	1.1	1.7	.3	.1								3.1	4.6
SSE	1.2	2.1	.8	.1								4.2	4.7
S	1.5	1.9	.1									3.3	3.9
SSW	1.0	1.5	.4	.1								3.1	4.5
SW	.6	1.1	.2	.1								2.0	4.2
WSW	1.3	1.9	1.9	.7		.1						6.1	6.4
W	1.8	3.6	6.8	4.2	.6	.1						17.1	8.7
WNW	1.0	2.9	2.6	1.6	.4							8.3	7.7
NW	1.4	3.1	1.4	.8	.1							6.8	6.4
NNW	1.3	1.9	.4	.1								4.0	4.6
VARBL	2.2	.1										2.4	2.2
CALM												3.8	
	27.2	35.8	21.9	9.9	1.3	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1439

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55070
ELEVATION

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS U.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.0	.4	.1								5.5	3.2
NNE	2.1	1.1	.1									3.3	3.1
NE	2.6	1.0	.5									4.0	3.5
ENE	3.5	1.6	.8									6.0	3.7
E	8.9	7.2	1.9	.3								18.3	4.0
ESE	4.2	4.3	.1									8.7	3.6
SE	1.9	1.6	.1									3.5	3.3
SSE	.6	.6	.1									1.3	3.5
S	1.7	.6										2.4	2.7
SSW	1.4	.8	.4									2.6	4.2
SW	1.0	1.2	.3									2.5	4.2
WSW	1.6	3.2	2.3	.2								7.3	5.5
W	2.3	3.3	2.4	1.3	.1							9.3	6.3
WNW	1.5	1.9	.7	.3	.1							4.4	5.2
NW	.9	1.1	.6	.1								2.7	5.2
NNW	.8	.6	.3									1.7	3.8
VARRL	1.1	.2										1.3	2.2
CALM												15.1	
	40.1	31.3	11.0	2.3	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

1460

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.8	.1									2.8	2.8
NNE	.5	.2										1.7	2.4
NE	.6	.4										1.0	3.1
ENE	2.7	.3	.3									3.3	2.8
E	10.8	5.0	2.8	.3								19.0	3.9
ESE	9.0	4.0	.6									13.6	3.2
SE	3.3	1.0										4.4	2.7
SSE	1.2	.4	.1									1.8	3.0
S	1.3	.4	.1									1.9	3.0
SSW	1.5	1.1	.5	.1								3.2	4.3
SW	1.0	1.2	.6									2.8	4.9
WSW	1.2	2.6	2.2	.2								6.2	5.8
W	1.2	2.6	2.0	1.0								6.8	6.7
WNW	1.1	.8	.6	.2								2.8	5.2
NW	1.0	.4	.4	.1								1.9	4.6
NNW	1.2	.3										1.5	2.8
VARBL	.9	.1										1.0	1.7
CALM												25.1	
	40.8	21.7	10.6	1.5								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
 WTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34177
 STATION

NURNBERG GERMANY/FURTH
 STATION NAME

55-70
 YEARS

DCT
 MONTH

ALL WEATHER
 CLASS

0000-0200
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2	.2	.1								1.5	4.1
NNE	.5	.2	.1									.8	3.9
NNE	.9		.1									1.0	2.2
ENE	1.1	.4	.5	.2								2.2	4.9
E	7.7	4.3	1.2	.4								13.6	3.4
ESE	12.7	5.8	.5	.1								19.1	3.2
SE	3.1	2.4	.1									5.5	3.3
SSE	1.0	1.9	.3	.1								3.2	4.6
S	1.9	1.4	.3									3.6	3.6
SSW	1.3	1.7	.5	.1								3.7	4.6
SW	1.3	.9	.8	.1								3.2	5.0
WSW	.9	1.2	1.3	.2								3.6	5.9
W	2.4	1.7	2.2	1.3	.1							7.6	6.6
WNW	1.1	1.2	.9	.6	.2							4.0	6.9
NW	1.0	.4	.5									1.9	4.3
NNW	.9	.5	.2									1.6	3.8
VARSL	1.5											1.5	2.0
CALM												22.4	
	40.1	24.5	9.5	3.1	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPED
N	.8	.2	.2									1.3	3.4
NNE	.4	.3	.1									.7	2.7
NE	.6	.3	.1									1.0	2.7
ENE	1.7	.1	.5	.1								2.4	3.9
E	6.2	2.6	1.2	.3								10.3	3.7
ESE	11.2	5.3	.6	.1								17.1	3.3
SE	5.2	2.5	.3									8.0	3.3
SSE	1.3	1.7	.3									3.4	4.2
S	2.0	1.6	.7									4.3	4.1
SSW	1.1	1.3	.3	.1								2.7	4.1
SW	1.1	1.2	.7	.2								3.2	3.3
WSW	.9	1.5	1.7	.2								4.2	6.2
W	1.9	2.6	2.2	1.2	.5							8.4	7.3
WNW	1.1	.9	.4	.5								3.0	3.3
NW	.7	.7	.7									2.2	3.1
NNW	.7	.4	.4									1.5	4.6
VARBL	1.3	.1										1.4	2.1
CALM												24.9	
	38.4	23.2	10.3	2.7	.5							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

1488

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
 STATION

NURNBERG GERMANY/FURTH
 STATION NAME

55-70
 YEARS

GCT
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.2										1.1	2.4
NNE	.3	.3	.1									.7	3.7
NE	.7	.4	.1									1.2	3.5
ENE	.3	.5	.2	.1								1.2	5.4
E	4.6	3.6	1.5	.7								10.4	4.6
ESE	10.1	5.2	.7									16.0	3.3
SE	4.5	3.4	.2	.1								8.3	3.6
SSE	2.0	3.0	.9									5.8	4.4
S	1.7	2.2	.6									4.6	4.1
SSW	1.5	1.3	.8	.1								3.6	4.7
SW	.8	.9	.7	.2								2.6	5.4
WSW	1.0	2.0	1.5	.8								5.3	6.8
W	1.8	1.7	2.4	1.6	.3	.1						7.9	7.6
WNW	1.5	1.2	.9	.7	.1							4.3	6.1
NW	.3	1.2	.7	.1								2.4	5.6
NNW	.9	.3	.1	.1								1.3	3.3
VARBL	1.1											1.1	1.6
CALM												21.9	
	34.3	27.6	11.3	4.3	.3	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
RTAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	.2									1.4	4.3
NNE	.1	.5	.4									.3	6.4
NE	.1	.3	.2									.6	3.8
ENE	.4	.3	.3	.4								1.4	6.6
E	1.1	2.3	3.8	1.2								8.4	7.2
ESE	2.6	3.2	1.5	.2								7.6	4.9
SE	3.2	2.6	.7	.1								6.6	4.2
SSE	3.2	4.6	1.4	.2								9.3	4.6
S	2.2	3.4	1.8	.1								7.5	4.9
SSW	2.0	1.7	.9	.3								4.9	4.9
SW	1.1	1.8	1.1	.6								4.9	6.0
WSW	2.1	1.9	3.2	.7	.1	.1						8.2	6.7
W	2.9	2.4	3.6	3.0	.4	.1						12.3	7.9
WNW	2.2	1.4	1.1	1.5	.7	.1						7.0	8.1
NW	.5	1.2	1.1	.5								3.4	6.8
NNW	.4	1.6	.3	.1								2.5	5.3
VARBL	3.8	.4										4.2	2.2
CALM												8.9	
	28.6	30.1	21.9	9.0	1.3	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 NURNBERG GERMANY/FURTH

55-70

OCT

ALL WEATHER

1200-1400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	.3									2.6	4.4
NNE	.1	.8	.7									1.3	6.7
NE	.2	.8	.4									1.9	5.4
ENE	.3	1.1	1.2	.5								3.2	7.0
E	.9	2.7	2.8	1.0								7.4	7.0
ESE	1.3	2.4	1.9	.5								6.2	6.3
SE	1.3	2.2	.9	.1								4.6	5.0
SSE	1.5	2.4	1.5	.2								5.6	5.4
S	2.2	2.6	1.3	.2								6.2	5.0
SSW	.7	2.2	.9	.2								6.0	5.6
SW	1.2	1.5	1.2	.3								4.2	5.6
WSW	1.5	2.7	3.0	1.5	.2	.1						8.9	7.5
W	3.7	3.4	5.1	3.7	.6	.1						16.7	7.9
WNW	2.2	2.4	1.8	2.2	.5	.1						9.1	7.7
NW	1.1	2.2	1.5	.5	.1	.1						5.5	6.6
NNW	.9	1.9	.7	.1								3.6	4.9
VARBL	4.7	.7										5.4	2.3
CALM												4.0	
	24.7	32.9	25.5	11.2	1.4	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

1488

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177
 STATION

NURNBERG GERMANY/FURTH
 STATION NAME

55-70
 YEARS

OCT
 MONTH

ALL WEATHER
 CLASS

1500-1700
 HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.2	.7									5.4	4.0
NNE	1.3	1.3	.1									2.7	3.8
NE	1.0	1.3	.1									2.4	3.9
ENE	1.8	1.6	.9	.5								4.8	5.2
E	3.5	4.4	2.8	.4								11.2	5.2
ESE	2.4	2.6	.9									6.0	4.4
SE	1.3	2.4	.3									4.1	4.2
SSE	1.5	2.4	1.3	.1								5.3	5.1
S	1.7	1.3	.6	.1								3.8	4.2
SSW	.9	1.3	.3	.1								2.6	4.7
SW	1.3	1.3	.7	.1								3.4	4.8
WSW	2.0	2.5	2.7	.7	.1							7.9	6.4
W	1.7	2.9	5.9	2.6	.1							14.2	7.6
WNW	1.7	2.4	1.4	1.2	.1							6.9	6.6
NW	1.5	2.0	.8	.5	.1							4.9	5.4
NNW	2.1	1.1	.3	.1								3.6	3.5
VARBL	2.2	.3										2.4	2.0
CALM												8.5	
	34.6	34.3	19.9	6.4	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1688

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.1									3.1	3.4
NNE	.9	.6										1.5	3.1
NE	.7	1.0	.3									2.1	4.5
ENE	2.4	1.3	.5	.1								4.2	3.8
E	9.0	6.7	2.7	.1								18.5	4.1
ESE	6.3	5.8	.5									12.6	3.6
SE	2.5	1.6	.2									4.3	3.4
SSE	1.3	1.5	.4									3.2	4.5
S	.9	.9	.4									2.2	4.3
SSW	1.3	1.3	.5									3.2	4.2
SW	1.5	1.5	.4	.1								3.5	4.5
WSW	1.5	2.9	1.7	.3								6.5	5.5
W	1.5	2.8	2.6	1.2	.2							8.3	7.1
WNW	.9	1.0	.9	.6	.1							3.3	6.6
NW	1.1	.7	.6	.1								2.6	5.8
NNW	.8	.6	.2	.1								1.7	4.4
VARBL	1.2	.1										1.3	1.8
CALM												17.8	
	35.5	31.9	12.0	2.5	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34977
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

DCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8	.1									1.8	3.7
NNE	.6	.1	.1									.9	3.3
NE	.5	.1	.3									.9	4.1
ENE	1.7	.5	.3									2.5	3.0
E	8.8	3.1	2.0	.3								16.3	3.9
ESE	10.5	6.5	.9									17.9	3.4
SE	3.4	2.2	.1									5.7	3.4
SSE	.7	1.4	.3									2.4	4.4
S	1.7	1.3	.4									3.6	3.9
SSW	1.3	1.9	.4									3.7	4.3
SW	1.6	1.4	.7	.1								3.9	4.8
WSW	1.2	1.7	1.3	.1								4.3	5.3
W	2.2	1.9	2.1	2.0	.2							8.5	7.3
WNW	.7	.8	.4	.4								2.4	6.2
NW	.9	.7	.3									2.1	4.2
NNW	.9	.6	.1	.1								1.6	3.9
VARBL	.6											.6	1.4
CALM												21.0	
	38.2	27.4	10.1	3.1	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70

NDV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.0	.2									3.6	3.1
NNE	1.0	.2	.1									1.2	2.9
NE	.6	.6	.1									1.3	3.8
ENE	1.2	.9	.6	.1								2.9	5.0
E	5.1	4.9	2.6	.7								13.3	4.9
ESE	6.9	5.5	.7	.3								13.4	3.8
SE	2.9	3.9	.8									7.6	4.2
SSE	.9	2.6	1.3	.2								5.1	5.5
S	1.5	.8	1.3									3.7	4.8
SSW	2.1	1.9	.6	.1								4.6	4.2
SW	1.5	1.5	1.0	.1								4.1	5.1
WSW	1.2	1.8	2.6	.5		.1						6.1	5.9
W	1.5	1.5	2.3	1.2	.5	.2						7.2	8.3
WNW	.8	1.2	1.0	.4								3.4	6.0
NW	1.0	.8	.3	.1								2.2	4.3
NNW	1.4	.5	.4									2.3	3.7
VARBL	1.8	.1										1.9	1.9
CALM												16.0	
	34.0	29.6	15.8	3.8	.5	.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.6										3.6	3.2
NNE	1.0	.6	.1									1.7	3.1
NE	.6	.6	.2									1.4	4.3
ENE	.5	.9	.8									2.2	5.8
E	4.0	5.6	1.9	1.0	.1							12.6	5.0
ESE	7.1	5.8	.9	.2								14.0	5.9
SE	3.3	4.6	.8									8.7	4.2
SSE	1.2	2.0	1.5	.1								4.8	5.2
S	2.2	1.9	.8	.1								4.9	4.2
SSW	1.3	2.5	.9	.1								4.9	4.8
SW	.6	1.3	1.3	.2								3.5	5.2
WSW	.6	1.9	1.2	1.0	.2							5.0	7.9
W	1.5	1.5	2.1	2.2	.5	.2						8.1	8.8
WNW	.6	1.2	1.0	.1	.1							3.0	6.0
NW	1.9	1.5	.4									3.9	3.9
NNW	.9	1.2	.4									2.6	4.3
VARBL	1.1	.1										1.2	2.6
CALM												14.0	
	30.6	35.0	14.2	5.1	.8	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26177
STATION

NURNBERG, GERMANY/FURTH
STATION NAME

55-70
YEARS

NCV
SCSTM

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.9										2.7	3.3
NNE	.6	.4										1.0	3.3
NE	.6	.5	.1									1.2	3.6
ENE	.6	1.5	.4	.3								2.8	5.3
E	5.3	4.8	2.0	1.3								13.5	5.0
ESE	6.4	6.4	1.4									14.2	4.0
SE	3.7	4.3	1.1									9.1	4.3
SSE	1.5	2.9	1.0	.1								5.4	5.0
S	2.3	3.6	1.4									7.3	4.6
SSW	.9	1.7	1.1	.1								3.7	5.5
SW	1.1	1.0	1.2	.1								3.3	5.4
WSW	.9	1.1	1.3	1.3	.1							4.7	6.2
W	1.2	2.0	2.9	1.9	.7	.1						8.9	6.8
WNW	.7	1.0	.6	.1	.1	.1						2.6	6.6
NW	1.0	1.1	.4	.1								2.6	4.3
NNW	1.5	1.1	.2	.1								2.9	3.7
VARBL	.9	.1										1.0	2.2
CALM												13.1	
	31.1	34.3	15.1	5.3	.9	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

NGV
MOON

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	.2									3.4	3.7
NNE	.7	.6	.1									1.3	3.7
NE	.4	.5	.3									1.2	4.7
ENE	.6	1.0	.6	.3	.1							2.6	6.5
E	2.3	4.2	3.2	2.2	.1							12.0	7.0
ESE	3.4	5.5	2.0	.6								11.3	5.1
SE	1.8	4.1	2.4	.4								8.7	5.6
SSE	1.8	4.3	2.0	.1								8.2	5.2
S	1.7	2.7	2.5	.1								7.1	5.7
SSW	1.3	2.3	1.4									5.0	5.3
SW	1.7	2.2	1.2	.3								5.4	5.5
WSW	.8	1.5	2.2	1.7	.2							6.3	8.6
W	1.0	2.0	2.8	3.1	.8	.2						9.9	9.7
WNW	1.2	1.2	.5	.8	.1							3.9	6.6
NW	.7	1.0	.1	.1	.1							2.0	4.8
NNW	1.7	1.9	.6	.1								4.2	4.3
VARBL	.8	.1										1.0	2.5
CALM												6.4	
	23.7	36.5	22.0	9.8	1.6	.2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS NDV

ALL WEATHER
CLASS

1200-1400
MOVES (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9	.6	.1								4.1	4.5
NNE	.2	1.2	1.0									2.7	5.2
NE	.3	1.1	.8									2.2	5.6
ENE	.2	1.1	.6	.4								2.4	6.7
E	1.0	2.9	4.2	2.6	.2							10.9	8.2
ESE	1.1	4.2	2.6	.4								8.1	6.0
SE	1.0	3.9	3.2	.2								8.5	3.9
SSE	.9	3.3	1.7	.3								6.2	3.9
S	1.5	3.4	1.9	.3								7.1	3.5
SSW	.6	2.8	1.7	.2								5.2	6.0
SW	.9	1.6	1.5	.8								4.8	6.6
WSW	1.2	1.5	2.3	2.3	.1							7.4	8.2
W	2.6	2.8	3.2	5.3	.6	.1						14.6	9.0
WNW	.9	2.1	.8	1.0	.2							5.1	7.1
NW	1.2	.9	.5	.1								2.8	4.4
NNW	1.4	1.5	.2	.1								3.9	4.3
VARL	1.1											1.1	2.2
CALM												4.0	
	18.1	26.0	25.6	14.2	1.0	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14177 NURNBERG GERMANY/FURTH 5570 NOV
 STATION NAME CLASS MONTH
 ALL WEATHER
 1500-1700
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.1	.1									4.4	3.7
NNE	.7	1.5	.4									2.6	4.7
NE	1.7	1.1	.3									3.1	3.4
ENE	1.5	1.4	.6	.1								3.5	4.7
E	2.4	4.7	4.4	2.0								15.6	6.7
ESE	.9	5.6	1.7	.2								8.4	5.5
SE	2.1	4.0	1.8	.1								8.0	5.0
SSE	1.7	3.3	.8	.1								5.8	4.9
S	1.3	2.4	.8	.2								4.8	5.1
SSW	1.0	1.1	1.0	.4								3.5	6.1
SW	1.0	1.5	1.6	.3								4.5	6.0
WSW	1.5	1.5	2.2	.9								6.1	6.6
W	2.4	3.7	3.3	2.0	.8	.1						13.2	6.1
WNW	1.4	1.2	.6	.6		.1						3.8	6.0
NW	.3	.6	.3	.1								2.2	3.8
NNW	1.9	1.2	.1	.1								3.3	3.6
VARBL	.9	.1										1.0	2.3
CALM												7.8	
	26.0	37.1	19.8	8.3	.8	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	.1									3.1	3.9
NNE	1.3	1.0	.2	.1								2.6	4.1
NE	.9	.8	.2									1.9	3.9
ENE	1.2	1.4	.6	.2								3.4	4.9
E	4.5	5.8	3.7	1.2	.1							15.4	5.6
ESE	4.8	6.5	1.9	.1								13.3	4.4
SE	1.7	3.3	1.5									6.5	4.8
SSE	1.5	2.6	1.2	.1								5.3	5.1
S	1.0	1.9	1.0	.1								4.1	5.2
SSW	1.8	1.2	1.2	.2								4.4	4.9
SW	1.5	1.4	.9	.2								4.0	5.0
WSW	1.9	1.9	1.8	.3	.1							6.0	5.7
W	1.9	2.4	2.7	2.3	.5	.1						9.9	8.1
WNW	.8	1.5	.6	.2	.1							3.2	5.8
NW	1.0	.8	.3	.1	.1							2.4	5.0
NNW	1.7	.6	.1									2.4	2.9
VARBL	1.0											1.0	1.6
CALM												10.7	
	29.9	34.9	13.3	5.1	.9	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	.1									3.1	3.3
NNE	1.2	.8	.1									2.2	3.2
NE	1.2	.4										1.6	2.9
ENE	1.3	1.3	.7	.1								3.4	4.6
E	5.3	7.0	2.8	.8								16.0	4.9
ESE	4.2	5.6	.8	.1								10.8	4.2
SE	2.6	3.5	1.1									7.4	4.3
SSE	1.4	2.2	1.2	.1								4.9	3.2
S	1.5	2.1	1.5	.1								5.2	3.2
SSW	2.0	1.5	.3	.1								3.9	3.9
SW	2.0	1.7	1.1	.3								5.1	3.0
WSW	1.0	1.7	1.3	.9								4.9	6.9
W	1.5	2.4	1.8	1.5	.8	.3						8.2	8.6
WNW	.9	.8	1.0	.5								3.2	6.3
NW	.8	.6	.4	.1								1.9	3.1
NNW	1.7	1.0	.3									3.0	3.5
VAR3L	.6	.1										.6	2.8
CALM												14.6	
	31.5	33.7	14.6	4.6	.8	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1440

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.1	.1									3.1	3.5
NNE	1.0	.5	.1									1.6	3.5
NE	.7	.4	.3	.1								1.4	4.4
ENE	1.2	.9	.5	.1								2.8	4.4
E	3.4	4.9	1.7	.9								11.0	5.3
ESE	4.6	4.8	.9									10.3	3.9
SE	3.8	4.0	.9									8.7	4.1
SSE	1.7	3.3	1.3	.3								6.6	5.1
S	2.2	2.5	1.7	.2								6.3	5.0
SSW	1.0	1.8	1.2	.1								4.1	5.7
SW	1.2	1.9	1.2	.5								4.8	6.0
WSW	.9	2.0	1.7	1.5	.1							6.2	7.4
W	1.1	2.5	3.0	3.0	.5	.1						10.3	8.9
WNW	.7	1.6	1.1	.6	.1							4.2	6.8
NW	1.2	1.1	.4	.3	.1		.1					3.1	5.8
NNW	.7	.7	.1									1.5	3.4
VARBL	1.3	.1										1.5	2.2
CALM												12.3	
	29.8	34.1	16.2	7.6	.7	.1	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1483

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177
STATION

NURNBERG, GERMANY/FURTH
STATION NAME

55-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.8	.1									2.5	3.4
NNE	1.8	.8	.1	.1								1.8	4.0
NE	1.3	.7	.1									2.2	3.5
ENE	1.3	.7	.6									2.7	4.1
E	3.6	3.8	2.7	.6								10.7	5.2
ESE	2.8	4.4	.7									11.0	3.6
SE	2.9	3.8	1.2									8.9	4.2
SSE	1.7	2.8	2.2	.1								6.8	5.5
S	1.7	2.9	1.8	.1								6.5	5.4
SSW	1.1	2.0	1.4	.3								4.8	5.6
SW	1.2	1.7	.9	.4								4.2	5.6
WSW	.9	1.7	1.9	1.1	.1	.1						5.9	7.7
W	.9	2.6	3.1	2.6	.6							9.9	8.7
WNW	1.2	1.2	.8	.8	.3	.1						4.5	7.8
NW	.9	1.0	.5	.1								2.5	4.7
NNW	1.1	.7	.1									1.9	3.3
VARBL	1.0	.1										1.1	2.3
CALM												12.2	
	30.0	31.9	18.3	6.2	1.1	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1468

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS DEC NORTH
ALL WEATHER CLASS 0600-0800 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.6	3.3
NNE	1.6	.8	.1									1.5	3.7
NE	1.2	.7	.3									2.2	3.5
ENE	1.6	1.3	.3	.1								3.3	4.0
E	3.9	4.6	2.2	.1								10.8	4.7
ESE	4.8	5.1	.9									10.8	3.9
SE	2.8	5.3	1.2									9.3	4.5
SSE	1.1	2.4	2.4	.1								6.0	3.7
S	1.5	2.9	1.7	.1								6.2	3.3
SSW	1.7	1.7	1.8	.3								5.5	3.6
SW	.8	1.7	1.5	.1	.1							4.3	3.9
WSW	.9	1.4	2.7	1.5	.2							6.8	3.2
W	1.2	2.3	2.9	2.9	.8	.1						10.1	4.2
WNW	.9	1.4	.7	.5								3.4	6.2
NW	1.1	.7	.2			.1						2.1	4.3
NNW	1.1	.5	.1									1.7	3.0
VARSL	.8	.1										.9	2.1
CALM												12.6	
	27.3	34.2	19.0	5.7	1.1	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177 STATION NURNBERG GERMANY/EURTH STATION NAME 53-70 YEARS DEC MONTH 0900-1100 HOURS (L S T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7	.2	.1								1.9	3.9
NNE	.5	.7	.4									1.6	4.8
NE	.5	.5	.3	.1								1.4	5.1
ENE	1.0	.7	.8	.1								2.6	5.2
E	2.2	3.0	4.2	.7								10.1	6.3
ESE	4.1	5.2	2.1	.1								11.6	4.7
SE	2.4	3.8	1.1									7.4	4.5
SSE	1.7	3.4	2.8	.1								8.1	5.5
S	1.3	2.7	1.6	.1								5.7	5.4
SSW	1.2	1.7	1.5	.2								4.6	5.8
SW	.9	1.8	2.1	.5								5.4	6.6
WSW	1.2	1.9	2.3	1.9	.3	.1						7.6	8.5
W	1.5	2.8	3.8	3.8	1.0							13.0	9.2
WNW	.7	1.1	1.2	.9	.1							4.0	7.5
NW	.5	1.0	.3	.1								1.9	5.4
NNW	1.5	.6	.2	.1								2.4	3.5
VARBL	.9											.9	2.1
CALM												9.8	
	23.3	31.7	24.8	8.9	1.4	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36177 STATION NAME NURNBERG GERMANY/FURTH YEARS 55-70 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.3									2.1	4.3
NNE	.5	1.2	.6	.1								2.4	5.4
NE	.2	.7	.3	.1								1.3	3.9
ENE	.7	1.1	1.3	.3								3.4	5.2
E	1.6	3.3	4.2	.7								9.8	6.7
ESE	1.7	4.0	1.8	.1								7.7	3.2
SE	1.7	3.6	1.5	.1								6.9	3.3
SSE	1.5	4.4	2.6									8.5	3.5
S	1.3	2.3	1.5	.1								5.2	3.4
SSW	.7	1.7	1.1	.1								3.7	3.8
SW	1.8	2.2	2.3	.5								6.8	3.6
WSW	1.5	1.6	2.4	2.4	.2							8.1	8.2
W	2.3	2.4	4.2	5.7	1.8							16.6	9.8
WNW	1.3	1.8	2.0	1.1	.1	.1						6.5	7.2
NW	.7	1.3	.5	.1								2.6	3.0
NNW	.8	1.5	.5	.1								2.8	4.9
VARBL	.7	.1										.7	2.2
CALM												5.0	
	20.0	34.3	27.0	11.5	2.2	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.2									2.4	3.9
NNE	1.7	.7	.4									2.8	3.7
NE	1.1	.8	.3	.1								2.4	3.9
ENE	1.3	1.2	.5	.1								3.2	4.7
E	2.5	4.2	2.6	.6								9.9	5.6
ESE	2.5	5.6	1.9	.1								9.5	4.7
SE	1.3	4.2	1.0									6.5	4.8
SSE	1.2	3.8	2.2	.1								7.2	5.5
S	1.1	1.8	1.5	.1								4.4	5.8
SSW	1.8	2.2	.8									4.8	4.5
SW	1.0	2.5	1.0	.7								5.2	5.9
WSW	1.6	2.0	2.5	1.2	.1							7.5	7.2
W	2.4	2.9	4.0	3.9	.7	.2						14.1	9.8
WNW	1.5	1.4	.3	.5	.3	.1						5.1	6.8
NW	2.0	.9	.5			.1						3.4	4.1
NNW	1.3	1.1	.2									2.6	3.6
VARBL	.7	.1										.8	1.8
CALM												8.3	
	26.1	36.4	20.4	7.3	1.1	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1489

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FURTH 55-70 YEARS DEC MONTH
1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	.1									3.1	3.5
NNE	.9	.7	.2									1.8	3.7
NE	1.2	.9	.1									2.3	3.3
ENE	1.1	.8	.4	.1								2.4	4.0
E	3.0	5.0	2.6	.7								11.4	5.5
ESE	2.6	7.1	.8	.1								10.5	4.5
SE	2.1	3.4	.9									6.4	4.7
SSE	1.1	3.7	1.9	.1								6.9	5.5
S	2.1	3.8	2.3	.1								8.2	5.3
SSW	1.3	2.2	1.0									4.5	4.8
SW	1.5	2.1	1.4	.1	.1							5.2	5.6
WSW	1.5	1.6	2.4	1.3	.2							7.0	7.3
W	1.9	2.4	2.4	3.5	.7	.1						11.0	8.7
WNW	.9	.8	.7	.8								3.2	7.3
NW	.8	1.0	.7	.3		.1						3.0	6.7
NNW	.9	.7	.1									1.7	3.3
VARBL	.5	.1										.6	2.3
CALM												10.9	
	25.1	37.6	18.0	7.1	1.0	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

59-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.5	.2									3.7	3.5
NNE	.7	.7	.1									1.5	3.9
NE	.9	.8	.4	.1								2.2	4.4
ENE	.6	.5	.6	.1								2.2	5.2
E	3.6	4.8	2.7	.6								11.5	5.1
ESE	4.8	5.2	.6	.1								10.8	4.0
SE	3.0	4.8	.8	.1								8.7	4.2
SSE	1.3	3.2	1.3	.1								6.0	5.3
S	1.7	3.0	1.8	.3								6.9	5.3
SSW	1.1	2.4	1.0	.1								4.7	5.0
SW	1.5	1.9	1.5	.5								5.3	5.7
WSW	1.1	1.3	2.2	1.1	.3							6.0	7.7
W	1.6	1.5	3.0	3.2	.3		.1					9.9	8.9
WNW	1.1	1.5	.7	.8	.1	.1	.1					4.2	7.4
NW	.6	1.0	.5	.2	.1	.1						2.4	6.4
NNW	.9	.7	.3									1.9	3.8
VARBL	.7	.1										.8	2.2
CALM												11.5	
	27.6	35.3	17.7	6.9	.7	.1	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34177 STATION NURNBERG GERMANY/FURTH

55-70 YEARS

ALL MONTHS

INSTRUMENT

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.4	.5	.0								3.6	4.1
NNE	.7	.4	.2	.0								1.4	3.9
NE	.7	.4	.2	.0								1.1	3.5
ENE	1.1	.5	.2	.0								1.8	3.7
E	5.1	3.3	1.0	.2								9.5	3.5
ESE	6.2	4.8	.8	.0								11.9	3.7
SE	3.2	3.6	.9	.0								7.7	4.2
SSE	1.7	2.3	.9	.0								5.0	4.7
S	1.6	1.4	.4	.0								3.5	4.1
SSW	1.2	1.1	.4	.0	.0	.0						2.7	4.2
SW	1.3	1.1	.5	.1	.0	.0						3.0	4.5
WSW	1.4	1.5	1.5	.7	.1	.0						5.2	6.4
W	2.6	3.1	3.1	2.3	.5	.0	.0			.0		11.8	7.6
WNW	1.7	2.0	1.7	1.0	.2	.0	.0					6.6	6.9
NW	1.4	1.6	1.1	.3	.0	.0						4.4	5.6
NNW	1.4	1.5	.6	.1	.0							3.6	4.6
VARBL	1.1	.1										1.2	2.2
CALM												16.0	
	34.1	30.2	13.9	4.9	.7	.1	.0			.0		100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

32443

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet and ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variation of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4C

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMANY/FORTH

55-73

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7124-2322

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	1.5	7.8	9.2	11.5	12.4	14.7	13.2	17.4	19.2	19.7	19.7	19.7	19.7	19.9	19.9	19.9
≥ 20000	1.5	7.8	10.3	13.1	14.2	16.8	17.1	20.0	21.8	22.2	22.2	22.2	22.2	22.4	22.4	22.4
≥ 18000	1.5	8.5	10.3	13.1	14.2	16.5	17.1	20.0	21.8	22.2	22.2	22.2	22.2	22.4	22.4	22.4
≥ 16000	1.5	8.5	10.3	13.1	14.2	16.5	17.1	20.0	21.8	22.2	22.2	22.2	22.2	22.4	22.4	22.4
≥ 14000	1.5	8.5	10.3	13.2	14.2	16.6	17.2	20.0	21.8	22.3	22.3	22.3	22.3	22.5	22.5	22.5
≥ 12000	1.8	8.9	10.9	13.7	14.9	17.3	17.9	20.7	22.5	23.3	23.3	23.3	23.3	23.2	23.2	23.2
≥ 10000	2.6	10.4	12.8	16.1	17.8	20.3	21.1	24.3	26.4	26.9	26.9	26.9	26.9	27.1	27.1	27.1
≥ 9000	3.1	12.1	14.5	18.1	20.1	22.6	23.5	26.9	29.2	29.6	29.6	29.6	29.6	29.8	29.8	29.8
≥ 8000	3.2	12.7	15.5	18.9	21.1	23.8	24.8	28.4	30.6	31.1	31.1	31.1	31.1	31.3	31.3	31.3
≥ 7000	3.3	12.8	15.7	19.2	21.4	24.1	25.1	28.8	31.0	31.5	31.5	31.5	31.5	31.7	31.7	31.7
≥ 6000	4.0	14.2	17.5	21.1	23.3	26.0	27.0	30.6	32.3	33.3	33.3	33.3	33.3	33.5	33.5	33.5
≥ 5000	4.7	16.1	19.8	23.9	26.3	29.2	30.2	33.9	36.1	36.6	36.6	36.6	36.6	36.8	36.8	36.8
≥ 4500	5.0	16.7	20.3	24.4	26.6	29.9	30.9	34.5	36.8	37.2	37.2	37.2	37.2	37.4	37.4	37.4
≥ 4000	7.1	20.3	24.2	28.6	31.5	34.9	36.0	39.9	42.1	42.6	42.6	42.6	42.6	42.8	42.8	42.8
≥ 3500	7.6	21.4	25.5	29.8	33.0	36.4	37.5	41.4	43.6	44.2	44.2	44.2	44.2	44.4	44.4	44.4
≥ 3000	9.1	24.5	29.2	33.9	37.2	40.7	42.0	46.6	48.9	49.5	49.5	49.5	49.5	49.9	49.9	49.9
≥ 2500	9.7	27.3	32.3	37.6	41.8	45.8	47.0	52.2	54.4	55.0	55.0	55.0	55.0	55.6	55.6	55.6
≥ 2000	10.6	29.9	35.9	41.7	46.2	50.8	52.2	57.7	60.0	60.8	60.8	60.8	60.8	61.3	61.3	61.3
≥ 1800	10.8	30.6	37.0	43.3	48.1	52.9	54.3	60.1	62.5	63.3	63.3	63.3	63.3	63.8	63.8	63.8
≥ 1500	11.3	33.0	40.3	47.3	52.7	57.8	59.3	66.6	69.1	69.8	69.8	69.8	69.8	70.4	70.4	70.4
≥ 1200	11.9	34.6	43.0	51.1	57.4	63.0	64.6	72.2	74.7	75.8	75.8	75.8	75.8	76.5	76.5	76.5
≥ 1000	12.1	35.0	44.8	53.8	60.4	66.6	68.7	77.2	80.2	81.3	81.3	81.3	81.3	82.2	82.2	82.2
≥ 900	12.1	36.2	45.2	54.4	61.4	67.8	69.9	78.6	81.7	83.1	83.3	83.3	83.3	83.8	83.8	83.8
≥ 800	12.1	36.5	45.7	55.2	62.6	69.6	71.7	80.8	84.0	85.8	85.9	85.9	85.9	86.5	86.5	86.5
≥ 700	12.1	36.6	45.9	55.6	63.4	70.6	72.9	82.3	86.0	88.0	88.1	88.1	88.1	88.7	88.7	88.7
≥ 600	12.1	36.6	46.0	55.9	64.4	71.8	74.2	83.9	87.7	89.9	90.2	90.3	90.3	90.8	90.8	90.8
≥ 500	12.1	36.6	46.0	56.1	64.9	72.4	75.0	85.4	89.4	91.9	92.4	92.5	92.5	93.0	93.0	93.0
≥ 400	12.1	36.7	46.1	56.3	65.1	72.8	75.6	86.8	91.2	94.0	94.6	94.7	94.7	95.2	95.2	95.2
≥ 300	12.1	36.7	46.1	56.3	65.1	72.8	75.6	87.0	91.6	95.4	96.2	96.3	96.3	96.8	96.8	96.8
≥ 200	12.1	36.7	46.1	56.3	65.1	72.8	75.6	87.0	91.7	96.0	97.0	97.2	97.2	97.8	97.8	97.8
≥ 100	12.1	36.7	46.1	56.3	65.1	72.8	75.6	87.1	91.8	96.2	97.2	97.4	97.4	98.2	98.3	98.3
≥ 0	12.1	36.7	46.1	56.3	65.1	72.8	75.6	87.1	91.9	96.3	97.3	97.5	97.5	98.5	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS 1463

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177 MURNEEG GERMANY/FORTH

55-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	12.1	21.5	23.9	26.7	28.5	29.8	30.2	31.7	32.2	32.6	32.8	32.9	33.1	33.2	33.2	33.4
≥ 20000	15.7	27.1	30.0	33.4	35.6	37.2	37.6	39.4	40.0	40.4	40.6	40.7	40.9	41.0	41.1	41.2
IV 18000	15.7	27.1	30.0	33.4	35.6	37.2	37.7	39.4	40.0	40.5	40.7	40.8	41.0	41.1	41.1	41.2
IV 16000	15.7	27.1	30.1	33.4	35.6	37.2	37.7	39.4	40.0	40.5	40.7	40.8	41.0	41.1	41.2	41.4
IV 14000	15.8	27.2	30.2	33.6	35.8	37.4	37.9	39.6	40.2	40.7	40.9	41.0	41.2	41.3	41.3	41.5
IV 12000	16.1	27.8	30.5	34.2	36.6	38.2	38.7	40.4	41.0	41.5	41.7	41.8	42.0	42.1	42.2	42.4
IV 10000	17.8	31.0	34.4	38.2	40.7	42.5	43.0	45.0	45.6	46.1	46.3	46.4	46.6	46.8	46.8	47.0
IV 9000	18.7	32.8	36.5	40.5	43.3	45.2	45.7	47.8	48.5	49.0	49.2	49.3	49.5	49.7	49.7	49.9
IV 8000	19.2	33.8	37.6	41.8	44.7	46.7	47.3	49.4	50.1	50.7	50.9	51.0	51.3	51.4	51.4	51.6
IV 7000	19.4	34.2	38.0	42.3	45.2	47.3	47.9	50.0	50.8	51.3	51.5	51.7	51.9	52.0	52.1	52.3
IV 6000	20.5	36.0	40.0	44.5	47.5	49.6	50.2	52.4	53.2	53.7	54.0	54.1	54.3	54.5	54.5	54.7
IV 5000	22.5	39.4	43.8	48.6	51.8	54.1	54.7	57.0	57.8	58.4	58.7	58.9	59.0	59.1	59.2	59.4
IV 4500	22.7	39.9	44.3	49.1	52.4	54.7	55.3	57.7	58.4	59.0	59.3	59.4	59.6	59.7	59.8	60.0
IV 4000	25.2	44.2	49.2	54.5	58.1	60.7	61.3	63.9	64.7	65.3	65.5	65.7	65.9	66.0	66.1	66.3
IV 3500	25.7	45.2	50.2	55.7	59.4	61.9	62.6	65.2	66.0	66.6	66.9	67.0	67.2	67.4	67.4	67.6
IV 3000	27.6	48.8	54.4	60.4	64.5	67.3	68.1	70.8	71.7	72.3	72.6	72.8	73.0	73.1	73.2	73.4
IV 2500	28.7	51.0	56.9	63.3	67.7	70.7	71.5	74.4	75.4	76.0	76.3	76.5	76.7	76.9	76.9	77.1
IV 2000	29.7	53.3	59.6	66.6	71.3	74.6	75.5	78.7	79.7	80.4	80.7	80.9	81.1	81.2	81.3	81.5
IV 1800	29.9	53.7	60.1	67.3	72.1	75.5	76.4	79.6	80.7	81.4	81.7	81.9	82.1	82.2	82.3	82.5
IV 1500	30.4	55.2	62.0	69.6	74.8	78.5	79.5	83.0	84.1	84.9	85.2	85.4	85.7	85.8	85.9	86.1
IV 1200	30.6	55.9	62.9	71.0	76.5	80.4	81.5	85.3	86.4	87.3	87.6	87.8	88.1	88.2	88.3	88.5
IV 1000	30.8	56.5	63.9	72.4	78.3	82.6	83.8	87.9	89.2	90.2	90.6	90.7	91.0	91.2	91.2	91.5
IV 900	30.8	56.6	64.0	72.6	78.6	83.0	84.2	88.4	89.7	90.7	91.1	91.3	91.6	91.7	91.8	92.0
IV 800	30.8	56.8	64.3	73.2	79.5	84.0	85.3	89.7	91.1	92.2	92.6	92.8	93.1	93.2	93.3	93.5
IV 700	30.8	56.9	64.5	73.5	80.0	84.7	86.1	90.7	92.2	93.3	93.8	94.0	94.3	94.4	94.5	94.7
IV 600	30.8	57.0	64.6	73.8	80.4	85.3	86.7	91.6	93.2	94.4	94.9	95.1	95.4	95.6	95.6	95.9
IV 500	30.8	57.0	64.7	73.9	80.7	85.5	87.3	92.4	94.1	95.5	96.0	96.3	96.6	96.8	96.9	97.1
IV 400	30.8	57.0	64.7	74.0	80.8	85.9	87.5	92.8	94.6	96.1	96.7	97.0	97.3	97.5	97.6	97.8
IV 300	30.8	57.0	64.7	74.0	80.8	86.0	87.5	93.0	94.9	96.5	97.2	97.5	97.9	98.1	98.2	98.4
IV 200	30.8	57.0	64.7	74.0	80.8	86.0	87.5	93.0	94.9	96.7	97.4	97.7	98.1	98.4	98.4	98.7
IV 100	30.8	57.0	64.7	74.0	80.8	86.0	87.5	93.0	95.0	96.7	97.4	97.7	98.2	98.4	98.5	98.7
IV 0	30.8	57.0	64.7	74.0	80.8	86.0	87.6	93.0	95.0	96.7	97.5	97.8	98.4	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 139243

DATA PROCESSING IVISIT
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORTH

55-7

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	2.5	8.0	10.0	13.3	15.5	17.6	18.2	20.5	21.4	22.1	22.3	22.4	22.5	22.5	22.5	22.5
≥ 20000	3.2	10.4	13.0	17.4	20.3	22.9	23.7	26.5	27.6	28.5	28.7	28.8	28.9	28.9	28.9	28.9
≥ 18000	3.2	10.4	13.0	17.4	20.3	22.9	23.7	26.5	27.6	28.5	28.7	28.8	28.9	28.9	28.9	28.9
≥ 16000	3.2	10.4	13.0	17.4	20.3	22.9	23.7	26.5	27.6	28.5	28.7	28.8	28.9	28.9	28.9	28.9
≥ 14000	3.2	10.4	13.0	17.4	20.3	22.9	23.7	26.5	27.6	28.5	28.7	28.8	28.9	28.9	28.9	28.9
≥ 12000	3.2	10.4	13.0	17.4	20.3	22.9	23.7	26.5	27.6	28.5	28.7	28.8	28.9	28.9	28.9	28.9
≥ 10000	3.9	12.3	15.5	20.8	24.4	27.4	28.4	31.5	32.6	33.6	33.8	33.9	34.0	34.0	34.0	34.0
≥ 9000	4.3	13.4	16.9	22.5	26.6	29.9	30.8	34.3	35.5	36.5	36.8	36.9	37.0	37.0	37.0	37.0
≥ 8000	4.6	14.0	17.5	23.3	27.5	31.0	32.0	35.7	37.0	38.0	38.3	38.4	38.4	38.5	38.5	38.5
≥ 7000	4.7	14.1	17.7	23.5	27.7	31.3	32.3	36.0	37.3	38.3	38.6	38.7	38.8	38.8	38.8	38.8
≥ 6000	4.9	14.5	18.3	24.2	28.5	32.1	33.2	37.0	38.3	39.4	39.6	39.7	39.8	39.8	39.8	39.8
≥ 5000	5.5	15.2	20.0	26.4	31.3	35.1	36.3	40.3	41.7	42.7	43.0	43.1	43.2	43.2	43.2	43.2
≥ 4500	5.6	15.2	20.3	26.7	31.7	35.5	36.7	40.7	42.1	43.2	43.5	43.6	43.6	43.7	43.7	43.7
≥ 4000	5.7	15.7	20.8	27.2	32.2	36.0	37.2	41.4	42.8	43.9	44.2	44.3	44.3	44.4	44.4	44.4
≥ 3500	6.8	19.1	23.7	31.1	36.8	41.1	42.4	46.8	48.3	49.5	49.8	49.9	50.0	50.0	50.0	50.0
≥ 3000	8.2	22.5	27.8	36.0	42.3	47.2	48.6	53.5	55.2	56.5	56.9	57.0	57.1	57.1	57.1	57.2
≥ 2500	9.0	24.4	30.1	39.0	45.8	51.0	52.4	57.7	59.7	61.0	61.4	61.6	61.7	61.7	61.7	61.7
≥ 2000	10.0	26.8	33.0	42.8	50.3	56.1	57.8	63.6	65.9	67.2	67.7	67.9	68.0	68.0	68.0	68.1
≥ 1800	10.2	27.3	33.6	43.6	51.4	57.4	59.2	65.4	67.7	69.1	69.6	69.7	69.8	69.8	69.8	69.8
≥ 1500	10.7	28.7	35.4	46.0	54.3	61.0	62.9	69.8	72.3	73.9	74.4	74.6	74.8	74.8	74.8	74.8
≥ 1200	10.9	29.3	36.4	47.5	56.4	63.7	65.8	73.3	76.0	77.7	78.2	78.5	78.6	78.6	78.6	78.7
≥ 1000	11.0	30.5	37.5	49.2	58.9	66.8	69.0	77.6	80.7	82.8	83.4	83.7	83.9	83.9	83.9	84.0
≥ 900	11.1	30.1	37.7	49.5	59.4	67.4	69.8	78.5	81.7	83.8	84.5	84.8	85.0	85.0	85.0	85.1
≥ 800	11.1	30.2	38.0	50.3	60.7	69.2	71.7	81.2	84.5	86.8	87.5	87.8	88.0	88.1	88.1	88.1
≥ 700	11.1	30.3	38.2	50.8	61.7	70.6	73.2	83.2	86.7	89.2	90.0	90.4	90.6	90.7	90.7	90.7
≥ 600	11.1	30.4	38.4	51.2	62.4	71.6	74.4	85.0	88.7	91.4	92.3	92.7	92.9	93.0	93.0	93.0
≥ 500	11.1	30.4	38.4	51.3	62.8	72.5	75.4	86.7	90.7	93.7	94.7	95.2	95.5	95.6	95.6	95.6
≥ 400	11.1	30.4	38.4	51.3	62.9	72.8	75.7	87.3	91.6	94.7	95.8	96.3	96.7	96.8	96.9	96.9
≥ 300	11.1	30.4	38.5	51.4	62.9	72.8	75.8	87.7	92.2	95.6	96.7	97.4	97.8	98.0	98.1	98.1
≥ 200	11.1	30.4	38.5	51.4	62.9	72.8	75.8	87.9	92.4	95.8	97.0	97.7	98.2	98.4	98.5	98.5
≥ 100	11.1	30.4	38.5	51.4	62.9	72.8	75.8	87.9	92.4	95.9	97.1	97.8	98.2	98.5	98.5	98.6
≥ 0	11.1	30.4	38.5	51.4	62.9	72.8	75.8	87.9	92.5	96.1	97.4	98.2	98.8	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 11877

DATA PROCESSING INISIT
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F.R.G.

55-70

YEAR

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	> 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	4.7	11.7	13.6	16.9	19.0	20.8	21.3	24.1	24.9	25.8	26.2	26.4	26.6	26.7	26.8
≥ 20000	6.4	15.7	18.4	22.6	25.4	27.6	28.4	31.7	32.7	33.7	34.2	34.5	34.7	34.8	34.9
≥ 18000	6.4	15.7	18.4	22.6	25.4	27.6	28.4	31.7	32.7	33.7	34.3	34.5	34.7	34.8	35.0
≥ 16000	6.4	15.7	18.4	22.7	25.4	27.6	28.4	31.7	32.8	33.7	34.3	34.5	34.8	34.8	35.0
≥ 14000	6.4	15.8	18.5	22.8	25.5	27.8	28.6	31.9	32.9	33.9	34.5	34.7	34.9	35.0	35.2
≥ 12000	6.6	16.2	18.9	23.3	26.2	28.5	29.3	32.7	33.7	34.7	35.3	35.5	35.8	35.8	36.0
≥ 10000	7.2	17.5	21.0	25.9	29.1	31.7	32.5	33.2	37.3	38.4	39.0	39.2	39.5	39.6	39.8
≥ 9000	7.8	19.2	22.5	27.6	31.2	34.1	35.0	38.6	40.0	41.1	41.8	42.1	42.3	42.4	42.9
≥ 8000	8.1	20.0	23.4	28.7	32.5	35.5	36.4	40.4	41.8	43.0	43.7	44.0	44.3	44.4	44.5
≥ 7000	8.1	20.2	23.6	29.0	32.7	35.7	36.7	40.7	42.1	43.3	44.1	44.4	44.7	44.7	44.9
≥ 6000	8.6	21.2	24.7	30.2	34.1	37.2	38.2	42.2	43.7	45.0	45.8	46.1	46.3	46.4	46.6
≥ 5000	9.4	23.0	26.7	32.6	36.8	40.0	40.9	45.2	46.7	48.0	48.8	49.1	49.3	49.4	49.6
≥ 4500	9.5	23.4	27.1	33.0	37.3	40.5	41.5	45.8	47.3	48.6	49.4	49.7	50.0	50.1	50.2
≥ 4000	11.3	26.8	31.2	37.8	42.5	46.1	47.2	51.8	53.4	54.8	55.6	55.9	56.2	56.3	56.4
≥ 3500	11.7	27.7	32.3	39.1	43.9	47.7	48.7	53.4	55.0	56.5	57.3	57.6	57.9	58.0	58.1
≥ 3000	13.3	31.2	36.3	43.7	49.1	53.1	54.3	59.4	61.1	62.6	63.4	63.7	64.0	64.1	64.2
≥ 2500	14.4	33.4	39.0	46.9	52.5	56.9	58.2	63.5	65.3	66.9	67.7	68.1	68.3	68.4	68.6
≥ 2000	15.5	35.7	41.8	50.3	56.4	61.2	62.6	68.6	70.5	72.2	73.1	73.5	73.7	73.8	74.0
≥ 1800	15.7	36.3	42.5	51.2	57.4	62.3	63.8	69.9	71.9	73.5	74.4	74.8	75.1	75.2	75.4
≥ 1500	16.5	38.1	44.6	53.8	60.5	65.8	67.4	74.1	76.3	78.3	79.3	79.7	80.0	80.1	80.3
≥ 1200	16.8	39.0	45.5	55.5	62.4	68.2	69.9	77.4	79.6	81.9	82.9	83.3	83.7	83.8	84.1
≥ 1000	17.0	39.8	46.9	57.2	64.7	71.1	73.1	81.3	84.0	86.5	87.6	88.1	88.5	88.7	88.9
≥ 900	17.0	39.9	47.0	57.4	65.0	71.5	73.6	81.9	84.6	87.1	88.2	88.7	89.2	89.3	89.6
≥ 800	17.0	40.2	47.6	58.0	65.8	72.8	74.9	83.5	86.5	89.2	90.4	91.0	91.5	91.7	91.9
≥ 700	17.0	40.3	47.9	58.2	66.2	73.3	75.6	84.3	87.6	90.5	91.7	92.3	92.9	93.0	93.2
≥ 600	17.0	40.3	47.6	58.4	66.5	73.8	76.1	85.3	88.7	91.9	93.2	93.9	94.5	94.6	94.8
≥ 500	17.0	40.3	47.6	58.4	66.6	74.1	76.6	86.4	89.8	93.2	94.6	95.4	96.0	96.2	96.4
≥ 400	17.0	40.3	47.6	58.5	66.7	74.2	76.7	86.7	90.5	93.6	95.2	96.0	96.7	96.9	97.1
≥ 300	17.0	40.3	47.6	58.5	66.7	74.2	76.7	86.9	90.5	94.2	95.7	96.5	97.2	97.5	97.7
≥ 200	17.0	40.3	47.6	58.5	66.7	74.2	76.7	86.9	90.5	94.8	95.9	96.7	97.5	97.7	97.9
≥ 100	17.0	40.3	47.6	58.5	66.7	74.2	76.7	86.9	90.5	94.9	95.9	96.7	97.5	97.7	97.9
≥ 0	17.0	40.3	47.6	58.5	66.7	74.2	76.7	86.9	90.5	94.4	95.0	96.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

10815

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FAA

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .16	≥ .1
NO CEILING	8.2	19.4	22.5	26.3	26.7	30.6	31.2	32.5	33.4	33.7	33.8	33.8	33.9	34.0	34.0	34.1
≥ 20000	11.3	25.1	28.7	33.5	36.6	38.9	39.5	41.6	42.1	42.5	42.6	42.6	42.8	42.9	42.9	43.1
IV 18000	11.0	25.1	28.7	33.5	36.6	38.9	39.5	41.6	42.1	42.5	42.6	42.6	42.8	42.9	42.9	43.1
IV 16000	11.1	25.1	28.7	33.5	36.6	38.9	39.5	41.6	42.1	42.5	42.6	42.6	42.8	42.9	42.9	43.1
IV 14000	11.1	25.3	28.9	33.7	36.9	39.1	39.8	41.9	42.4	42.8	42.9	42.9	43.1	43.1	43.1	43.2
IV 12000	11.4	25.6	29.5	34.4	37.7	40.0	40.6	42.8	43.2	43.6	43.7	43.8	43.9	44.1	44.1	44.1
IV 10000	12.4	28.2	32.4	37.8	41.3	43.7	44.4	46.7	47.2	47.6	47.8	47.8	48.0	48.0	48.1	48.2
IV 9000	12.7	29.2	33.6	39.5	43.1	45.8	46.5	48.8	49.4	49.8	49.9	49.9	50.1	50.2	50.2	50.3
IV 8000	13.0	29.9	34.5	40.5	44.1	47.0	47.7	50.2	50.7	51.1	51.3	51.3	51.4	51.5	51.5	51.7
IV 7000	13.1	30.1	34.7	40.7	44.5	47.3	48.0	50.5	51.1	51.5	51.7	51.7	51.8	51.9	51.9	52.1
IV 6000	13.5	31.1	35.9	42.1	46.0	48.8	49.5	52.0	52.6	53.0	53.2	53.2	53.3	53.4	53.4	53.6
IV 5000	14.5	33.4	38.6	45.2	49.2	52.4	53.2	55.7	56.3	56.7	56.9	56.9	57.0	57.1	57.1	57.3
IV 4500	14.7	33.8	39.1	45.8	50.0	53.0	53.8	56.4	57.0	57.4	57.6	57.6	57.7	57.8	57.8	58.0
IV 4000	16.1	37.7	43.7	51.0	55.6	59.0	59.9	62.7	63.3	63.8	63.9	64.0	64.1	64.2	64.2	64.4
IV 3500	16.5	38.8	44.9	52.5	57.2	60.6	61.5	64.4	65.0	65.5	65.6	65.7	65.8	65.9	65.9	66.0
IV 3000	18.1	42.6	49.5	57.8	63.0	66.8	67.8	70.8	71.5	72.0	72.1	72.2	72.3	72.4	72.5	72.6
IV 2500	19.0	45.1	52.3	61.3	66.8	70.7	71.8	74.9	75.6	76.1	76.2	76.4	76.5	76.6	76.7	76.8
IV 2000	20.2	47.9	55.7	65.5	71.6	76.0	77.1	80.3	81.2	81.8	82.0	82.0	82.2	82.3	82.3	82.4
IV 1800	20.2	48.3	56.9	66.5	72.6	77.0	78.2	81.7	82.4	83.0	83.1	83.2	83.4	83.5	83.5	83.6
IV 1500	20.8	50.3	58.7	69.7	76.4	81.3	82.5	86.3	87.2	87.8	88.0	88.1	88.3	88.4	88.4	88.5
IV 1200	21.0	51.2	59.9	71.3	78.4	83.6	84.9	88.9	89.8	90.6	90.8	90.8	91.0	91.1	91.1	91.3
IV 1000	21.2	52.0	60.9	72.7	80.2	85.7	87.1	91.5	92.6	93.5	93.7	93.7	93.9	94.0	94.1	94.2
IV 900	21.2	52.1	61.0	72.9	80.4	86.0	87.4	91.9	93.0	93.9	94.1	94.2	94.4	94.5	94.5	94.6
IV 800	21.2	52.3	61.5	73.6	81.3	87.0	88.4	93.1	94.2	95.3	95.6	95.7	95.9	96.0	96.0	96.1
IV 700	21.3	52.4	61.6	73.9	81.8	87.3	89.0	93.9	95.2	96.2	96.5	96.6	96.8	96.9	96.9	97.1
IV 600	21.3	52.4	61.7	74.1	82.0	87.8	89.3	94.4	95.8	96.9	97.3	97.4	97.6	97.7	97.7	97.9
IV 500	21.3	52.4	61.7	74.1	82.1	88.0	89.5	94.8	96.3	97.6	97.9	98.1	98.3	98.5	98.5	98.6
IV 400	21.3	52.4	61.7	74.2	82.2	88.0	89.7	95.0	96.5	97.9	98.3	98.4	98.7	98.8	98.9	99.0
IV 300	21.3	52.4	61.7	74.2	82.2	88.1	89.7	95.0	96.7	98.1	98.6	98.7	99.0	99.2	99.2	99.3
IV 200	21.3	52.4	61.7	74.2	82.2	88.1	89.7	95.0	96.7	98.1	98.6	98.8	99.1	99.3	99.3	99.4
IV 100	21.3	52.4	61.7	74.2	82.2	88.1	89.7	95.1	96.7	98.1	98.6	98.8	99.1	99.3	99.3	99.4
IV 0	21.3	52.4	61.7	74.2	82.2	88.1	89.7	95.1	96.7	98.2	98.7	98.9	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 11855

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

36177 NURNBERG GERMANY/F-47

35-7

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	16.3	26.2	28.3	30.5	31.8	32.5	32.7	33.3	33.5	33.7	33.7	33.9	33.9	33.9	33.9	34.1
≥ 20000	21.7	34.3	37.0	39.8	41.4	42.3	42.5	43.3	43.5	43.7	43.8	43.9	43.9	43.9	44.0	44.1
≥ 18000	21.7	34.3	37.0	39.8	41.4	42.3	42.5	43.3	43.5	43.7	43.8	43.9	43.9	43.9	44.0	44.1
≥ 16000	21.7	34.3	37.0	39.8	41.4	42.3	42.5	43.3	43.5	43.7	43.8	43.9	43.9	43.9	44.0	44.1
≥ 14000	22.0	34.5	37.3	40.1	41.7	42.6	42.8	43.6	43.8	44.0	44.1	44.1	44.2	44.2	44.3	44.4
≥ 12000	22.5	35.4	38.2	41.1	42.7	43.7	43.8	44.7	44.9	45.1	45.2	45.2	45.3	45.3	45.4	45.5
≥ 10000	25.3	39.6	42.8	46.0	47.8	49.0	49.1	50.0	50.3	50.5	50.6	50.6	50.7	50.7	50.8	50.9
≥ 9000	26.2	41.9	45.2	48.5	50.4	51.5	51.8	52.7	53.0	53.2	53.3	53.3	53.4	53.5	53.5	53.7
≥ 8000	26.8	43.0	46.5	49.9	51.9	53.1	53.3	54.3	54.6	54.8	54.9	54.9	55.0	55.1	55.1	55.2
≥ 7000	27.0	43.4	47.0	50.4	52.4	53.7	53.9	54.9	55.1	55.4	55.5	55.5	55.6	55.7	55.7	55.8
≥ 6000	28.0	45.3	49.0	52.6	54.8	56.2	56.4	57.4	57.7	57.9	58.0	58.1	58.2	58.2	58.2	58.4
≥ 5000	30.1	49.0	53.0	56.9	59.2	60.6	60.8	61.9	62.1	62.4	62.5	62.5	62.6	62.7	62.7	62.9
≥ 4500	30.4	49.5	53.5	57.5	59.8	61.2	61.5	62.5	62.8	63.0	63.1	63.2	63.3	63.3	63.4	63.5
≥ 4000	33.7	55.2	59.0	64.2	66.0	68.5	68.7	69.9	70.2	70.4	70.5	70.5	70.7	70.7	70.8	70.9
≥ 3500	34.2	56.2	61.0	65.4	68.1	69.8	70.0	71.2	71.5	71.7	71.8	71.9	72.0	72.0	72.1	72.2
≥ 3000	37.0	61.1	66.3	71.2	74.3	76.2	76.4	77.7	78.1	78.3	78.5	78.5	78.6	78.7	78.7	78.9
≥ 2500	38.7	64.5	69.8	75.1	78.3	80.3	80.6	82.0	82.3	82.6	82.7	82.8	82.9	82.9	83.0	83.1
≥ 2000	40.5	67.5	73.5	79.4	83.0	85.0	85.3	86.8	87.1	87.4	87.6	87.6	87.7	87.8	87.8	88.0
≥ 1800	40.7	67.9	73.9	79.8	83.5	85.5	85.9	87.3	87.7	88.0	88.2	88.2	88.3	88.4	88.4	88.6
≥ 1500	41.3	69.7	76.1	82.4	86.2	88.5	88.9	90.4	90.8	91.1	91.3	91.3	91.4	91.5	91.5	91.7
≥ 1200	41.4	70.3	77.0	83.6	87.6	89.9	90.3	91.9	92.3	92.7	92.8	92.9	93.0	93.0	93.1	93.2
≥ 1000	41.5	70.9	77.8	84.9	89.2	91.7	92.2	94.0	94.5	94.8	95.0	95.0	95.2	95.2	95.3	95.4
≥ 900	41.5	71.0	78.0	85.2	89.5	92.0	92.6	94.4	94.8	95.2	95.3	95.4	95.5	95.6	95.6	95.8
≥ 800	41.6	71.1	78.2	85.6	90.2	92.8	93.3	95.2	95.7	96.1	96.3	96.4	96.5	96.6	96.6	96.8
≥ 700	41.6	71.2	78.4	86.0	90.7	93.4	94.0	96.1	96.6	97.0	97.1	97.2	97.3	97.4	97.4	97.6
≥ 600	41.6	71.3	78.5	86.2	91.1	93.9	94.5	96.7	97.1	97.7	97.8	97.9	98.0	98.1	98.1	98.3
≥ 500	41.6	71.4	78.6	86.3	91.4	94.3	94.9	97.3	97.8	98.4	98.6	98.6	98.8	98.8	98.9	99.0
≥ 400	41.6	71.4	78.6	86.3	91.4	94.4	95.0	97.4	98.0	98.6	98.8	98.9	99.0	99.1	99.2	99.3
≥ 300	41.6	71.4	78.6	86.4	91.4	94.4	95.1	97.4	98.0	98.7	98.9	99.0	99.2	99.3	99.3	99.5
≥ 200	41.6	71.4	78.6	86.4	91.4	94.4	95.1	97.4	98.0	98.7	99.0	99.1	99.2	99.3	99.4	99.6
≥ 100	41.6	71.4	78.6	86.4	91.4	94.4	95.1	97.4	98.0	98.7	99.0	99.1	99.2	99.3	99.4	99.6
≥ 0	41.6	71.4	78.6	86.4	91.4	94.4	95.1	97.4	98.0	98.7	99.0	99.1	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 11402

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F.R.G.

55-70

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0
NO CEILING	20.2	30.0	31.8	33.5	34.0	35.2	35.3	35.7	35.9	35.9	35.9	36.1	36.1	36.2	36.2	36.4
≥ 20000	28.5	40.0	42.2	44.1	45.5	46.1	46.2	46.6	46.8	46.9	47.0	47.1	47.1	47.2	47.2	47.4
≥ 18000	28.5	40.0	42.2	44.2	45.5	46.1	46.2	46.6	46.9	47.0	47.1	47.1	47.1	47.2	47.3	47.4
≥ 16000	28.5	40.0	42.2	44.2	45.5	46.1	46.2	46.6	46.9	47.0	47.1	47.1	47.1	47.2	47.3	47.4
≥ 14000	28.7	40.2	42.4	44.4	45.8	46.4	46.5	46.9	47.1	47.2	47.2	47.2	47.2	47.3	47.4	47.7
≥ 12000	29.1	41.0	43.2	45.2	46.6	47.2	47.3	47.7	47.9	48.1	48.1	48.2	48.3	48.4	48.4	48.5
≥ 10000	31.7	45.0	47.5	49.8	51.3	52.1	52.2	52.7	52.9	53.1	53.1	53.2	53.3	53.3	53.3	53.5
≥ 9000	33.3	47.7	50.4	52.8	54.5	55.4	55.5	56.0	56.2	56.3	56.4	56.5	56.6	56.6	56.7	56.8
≥ 8000	34.1	49.1	51.9	54.4	56.2	57.1	57.2	57.7	58.0	58.2	58.2	58.3	58.4	58.5	58.5	58.6
≥ 7000	34.5	49.7	52.6	55.2	57.0	57.9	58.0	58.5	58.8	58.9	59.0	59.1	59.2	59.2	59.3	59.4
≥ 6000	36.4	52.5	55.6	58.3	60.2	61.2	61.3	61.9	62.2	62.3	62.4	62.5	62.6	62.6	62.6	62.8
≥ 5000	40.0	58.2	61.7	64.8	67.0	68.0	68.2	68.8	69.1	69.2	69.4	69.5	69.6	69.6	69.6	69.8
≥ 4500	40.3	58.8	62.4	65.5	67.7	68.7	68.9	69.5	69.8	70.0	70.1	70.2	70.3	70.3	70.3	70.5
≥ 4000	44.1	64.7	68.9	72.4	74.7	75.8	76.1	76.8	77.2	77.4	77.5	77.6	77.7	77.7	77.7	77.8
≥ 3500	44.8	66.0	70.1	73.7	76.0	77.2	77.4	78.2	78.5	78.7	78.8	78.9	79.0	79.1	79.1	79.2
≥ 3000	47.4	70.3	74.8	78.8	81.3	82.6	82.9	83.7	84.1	84.3	84.4	84.4	84.5	84.6	84.6	84.7
≥ 2500	49.1	73.0	77.7	81.9	84.5	85.9	86.2	87.0	87.4	87.6	87.7	87.8	87.9	88.0	88.0	88.1
≥ 2000	50.4	75.4	80.4	85.0	87.7	89.2	89.5	90.4	90.9	91.1	91.2	91.3	91.4	91.5	91.5	91.6
≥ 1800	50.6	75.8	80.6	85.4	88.1	89.7	90.0	90.9	91.3	91.5	91.6	91.7	91.8	91.9	91.9	92.1
≥ 1500	51.1	77.1	82.2	87.1	90.0	91.8	91.9	92.8	93.3	93.6	93.7	93.8	93.9	94.0	94.0	94.1
≥ 1200	51.2	77.7	83.0	88.0	91.0	92.7	93.0	94.1	94.6	94.8	94.9	95.0	95.1	95.2	95.2	95.3
≥ 1000	51.4	78.3	83.8	89.1	92.3	94.0	94.4	95.5	96.1	96.3	96.5	96.6	96.7	96.7	96.7	96.9
≥ 900	51.4	78.3	83.8	89.2	92.4	94.1	94.5	95.6	96.2	96.5	96.6	96.7	96.8	96.8	96.9	97.0
≥ 800	51.4	78.3	84.2	89.7	92.9	94.7	95.1	96.3	96.9	97.1	97.3	97.4	97.5	97.6	97.6	97.7
≥ 700	51.5	78.7	84.3	90.0	93.4	95.2	95.6	96.9	97.5	97.8	97.9	98.0	98.1	98.2	98.2	98.3
≥ 600	51.5	78.8	84.4	90.3	93.7	95.6	96.0	97.3	97.9	98.2	98.4	98.5	98.6	98.7	98.7	98.8
≥ 500	51.5	78.8	84.5	90.3	93.8	95.9	96.3	97.7	98.3	98.6	98.8	98.9	99.0	99.1	99.1	99.2
≥ 400	51.5	78.8	84.5	90.4	93.9	96.0	96.4	97.8	98.5	98.8	99.0	99.1	99.2	99.3	99.3	99.4
≥ 300	51.5	78.9	84.6	90.4	94.0	96.0	96.5	97.9	98.6	98.9	99.1	99.2	99.3	99.4	99.4	99.5
≥ 200	51.5	78.9	84.6	90.4	94.0	96.1	96.5	97.9	98.6	98.9	99.2	99.3	99.4	99.5	99.6	99.7
≥ 100	51.5	78.9	84.6	90.4	94.0	96.1	96.5	97.9	98.6	98.9	99.2	99.3	99.4	99.5	99.6	99.7
≥ 0	51.5	78.9	84.6	90.4	94.0	96.1	96.5	97.9	98.6	98.9	99.2	99.3	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 11782

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅒	≥0.1	≥0
NO CEILING	23.6	34.1	36.0	37.6	38.4	39.0	39.1	39.4	39.5	39.6	39.6	39.6	39.7	39.8	39.8	39.9
≥ 20000	31.2	43.3	45.9	47.7	48.7	49.4	49.4	49.8	49.9	50.0	50.0	50.0	50.1	50.2	50.3	50.4
IV 18000	31.2	43.3	45.9	47.7	48.7	49.4	49.5	49.8	49.9	50.0	50.1	50.1	50.2	50.3	50.3	50.4
IV 16000	31.3	43.6	46.0	47.8	48.9	49.5	49.5	49.9	50.0	50.1	50.1	50.1	50.3	50.3	50.3	50.4
IV 14000	31.4	43.7	46.1	48.0	48.9	49.6	49.7	50.0	50.1	50.2	50.2	50.3	50.4	50.4	50.5	50.6
IV 12000	32.0	44.5	47.0	48.9	49.9	50.6	50.7	51.0	51.1	51.2	51.2	51.2	51.4	51.4	51.5	51.6
IV 10000	34.7	49.0	51.8	54.1	55.2	56.0	56.1	56.5	56.6	56.7	56.7	56.8	56.9	57.0	57.0	57.1
IV 9000	36.3	51.6	54.6	57.1	58.3	59.2	59.3	59.7	59.8	59.9	60.0	60.0	60.1	60.2	60.2	60.3
IV 8000	36.9	52.8	55.9	58.6	59.9	60.8	60.9	61.3	61.5	61.6	61.6	61.7	61.8	61.9	61.9	62.0
IV 7000	37.5	53.6	56.8	59.4	60.8	61.6	61.8	62.2	62.3	62.5	62.5	62.6	62.7	62.8	62.8	62.9
IV 6000	39.2	56.4	59.5	62.5	63.9	64.8	64.9	65.4	65.5	65.6	65.7	65.7	65.9	65.9	66.0	66.1
IV 5000	42.2	61.2	66.1	68.2	69.7	70.7	70.8	71.3	71.5	71.6	71.7	71.7	71.9	71.9	71.9	72.0
IV 4500	42.5	61.6	66.5	68.6	70.2	71.2	71.3	71.9	72.0	72.1	72.2	72.2	72.4	72.4	72.5	72.6
IV 4000	46.1	67.3	71.8	73.2	77.0	78.0	78.1	78.7	78.8	79.0	79.0	79.1	79.2	79.3	79.3	79.4
IV 3500	46.6	68.2	72.6	75.1	77.9	78.9	79.0	79.7	79.8	80.0	80.0	80.1	80.2	80.3	80.3	80.4
IV 3000	49.4	72.7	77.6	81.5	83.5	84.5	84.7	85.3	85.5	85.7	85.7	85.8	85.9	86.0	86.0	86.1
IV 2500	50.5	74.0	79.8	83.8	85.9	87.0	87.1	87.8	88.0	88.2	88.3	88.3	88.5	88.5	88.6	88.6
IV 2000	51.6	76.7	82.3	86.5	88.8	90.0	90.2	90.9	91.1	91.3	91.4	91.4	91.6	91.6	91.6	91.7
IV 1800	51.7	77.0	82.6	86.8	89.2	90.4	90.6	91.3	91.5	91.7	91.8	91.8	92.0	92.0	92.0	92.1
IV 1500	52.1	78.2	83.9	88.5	91.0	92.3	92.4	93.2	93.4	93.6	93.7	93.7	93.9	94.0	94.0	94.1
IV 1200	52.3	78.7	84.6	89.3	92.0	93.4	93.5	94.3	94.5	94.7	94.8	94.8	95.0	95.1	95.1	95.2
IV 1000	52.3	79.2	85.4	90.3	93.2	94.7	94.9	95.7	95.9	96.2	96.2	96.3	96.4	96.5	96.5	96.6
IV 900	52.4	79.3	85.5	90.4	93.3	94.8	95.0	95.8	96.0	96.2	96.4	96.5	96.6	96.7	96.7	96.8
IV 800	52.4	79.5	85.8	90.9	93.6	95.4	95.7	96.6	96.8	97.0	97.1	97.2	97.3	97.4	97.4	97.5
IV 700	52.4	79.5	85.9	91.0	94.1	95.8	96.0	97.0	97.3	97.5	97.6	97.7	97.8	97.9	97.9	98.0
IV 600	52.4	79.6	86.0	91.3	94.5	96.3	96.6	97.6	97.9	98.1	98.2	98.3	98.4	98.5	98.5	98.6
IV 500	52.4	79.6	86.1	91.5	94.9	96.8	97.1	98.3	98.6	98.9	99.0	99.0	99.2	99.2	99.3	99.3
IV 400	52.4	79.6	86.1	91.5	95.0	96.9	97.3	98.5	98.8	99.1	99.2	99.2	99.4	99.4	99.5	99.6
IV 300	52.4	79.6	86.1	91.5	95.0	97.0	97.4	98.6	98.9	99.2	99.3	99.3	99.5	99.5	99.6	99.7
IV 200	52.4	79.6	86.1	91.5	95.0	97.0	97.4	98.6	98.9	99.2	99.3	99.4	99.6	99.6	99.7	99.7
IV 100	52.4	79.6	86.1	91.5	95.0	97.0	97.4	98.6	98.9	99.2	99.3	99.4	99.6	99.6	99.7	99.7
IV 0	52.4	79.6	86.1	91.5	95.0	97.0	97.4	98.6	98.9	99.2	99.3	99.4	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 11335

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	22.5	35.5	37.7	40.0	41.2	41.7	41.9	42.4	42.6	42.6	42.7	42.7	42.8	42.9	42.9	43.1
≥ 18000	27.3	41.5	43.9	46.6	47.8	48.5	48.6	49.2	49.4	49.4	49.5	49.5	49.6	49.7	49.8	49.9
IV 16000	27.3	41.5	43.9	46.6	47.8	48.5	48.6	49.2	49.4	49.4	49.5	49.5	49.6	49.7	49.8	49.9
IV 14000	27.4	41.7	44.1	46.8	48.0	48.7	48.8	49.4	49.6	49.7	49.7	49.8	49.9	49.9	50.0	50.1
IV 12000	27.9	42.4	44.8	47.6	48.8	49.5	49.6	50.2	50.4	50.5	50.5	50.6	50.7	50.7	50.9	50.9
IV 10000	31.0	47.4	50.2	53.2	54.5	55.2	55.4	56.1	56.2	56.3	56.4	56.4	56.5	56.6	56.6	56.8
IV 9000	32.6	50.2	53.4	56.6	58.0	58.6	59.0	59.7	59.9	60.0	60.0	60.1	60.2	60.3	60.3	60.4
IV 8000	33.2	51.3	54.5	57.9	59.4	60.2	60.4	61.2	61.3	61.4	61.5	61.5	61.6	61.7	61.8	61.9
IV 7000	33.6	51.5	55.2	58.7	60.2	61.0	61.2	62.0	62.2	62.3	62.3	62.4	62.5	62.6	62.6	62.8
IV 6000	35.5	54.7	58.2	61.8	63.5	64.4	64.6	65.4	65.6	65.7	65.8	65.8	65.9	66.0	66.0	66.2
IV 5000	39.7	60.8	64.7	68.6	70.4	71.4	71.6	72.4	72.6	72.7	72.8	72.8	72.9	73.0	73.1	73.2
IV 4500	40.1	61.4	65.3	69.3	71.1	72.1	72.3	73.2	73.3	73.4	73.5	73.5	73.6	73.7	73.8	73.9
IV 4000	44.2	67.6	72.0	76.4	78.4	79.4	79.6	80.6	80.8	81.0	81.0	81.1	81.2	81.3	81.4	81.5
IV 3500	46.8	69.6	73.1	77.9	79.7	80.7	81.0	81.9	82.2	82.3	82.4	82.4	82.5	82.6	82.7	82.8
IV 3000	47.3	72.8	77.6	82.4	84.7	85.9	86.2	87.2	87.3	87.4	87.7	87.7	87.8	87.9	88.0	88.1
IV 2500	48.6	74.9	80.0	85.0	87.4	88.6	88.9	90.0	90.2	90.4	90.5	90.5	90.6	90.7	90.8	90.9
IV 2000	49.4	76.5	81.9	87.1	89.6	90.9	91.2	92.4	92.7	92.8	92.9	92.9	93.1	93.2	93.2	93.4
IV 1800	49.4	76.7	82.1	87.3	89.9	91.2	91.5	92.7	93.0	93.1	93.2	93.2	93.4	93.5	93.5	93.7
IV 1500	49.6	77.4	83.0	88.3	91.2	92.6	92.9	94.2	94.4	94.6	94.7	94.7	94.9	94.9	95.0	95.1
IV 1200	49.7	77.8	83.5	89.2	92.0	93.4	93.8	95.0	95.3	95.5	95.6	95.6	95.7	95.8	95.9	96.0
IV 1000	49.8	78.2	84.1	90.0	93.0	94.4	94.8	96.1	96.4	96.6	96.7	96.7	96.9	96.9	97.0	97.1
IV 900	49.9	78.3	84.2	90.1	93.0	94.5	94.9	96.2	96.5	96.7	96.8	96.8	97.0	97.0	97.1	97.2
IV 800	49.9	78.3	84.4	90.4	93.3	94.8	95.2	96.5	96.8	97.1	97.2	97.2	97.4	97.4	97.5	97.6
IV 700	49.9	78.4	84.5	90.7	93.6	95.1	95.5	96.8	97.1	97.3	97.4	97.4	97.6	97.6	97.7	97.8
IV 600	49.9	78.4	84.6	90.9	94.1	95.7	96.1	97.4	97.7	97.9	98.0	98.0	98.2	98.2	98.3	98.4
IV 500	49.9	78.5	84.6	91.0	94.2	96.0	96.4	97.7	98.0	98.2	98.3	98.3	98.5	98.5	98.6	98.7
IV 400	49.9	78.5	84.7	91.3	94.3	96.3	96.7	98.0	98.3	98.5	98.6	98.6	98.8	98.8	98.9	99.0
IV 300	49.9	78.5	84.7	91.0	94.3	96.1	96.5	97.8	98.1	98.3	98.4	98.4	98.6	98.6	98.7	98.8
IV 200	49.9	78.5	84.7	91.0	94.3	96.1	96.5	97.8	98.1	98.3	98.4	98.4	98.6	98.6	98.7	98.8
IV 100	49.9	78.5	84.7	91.0	94.3	96.1	96.5	97.8	98.1	98.3	98.4	98.4	98.6	98.6	98.7	98.8
IV 0	49.9	78.5	84.7	91.0	94.3	96.1	96.5	97.8	98.1	98.3	98.4	98.4	98.6	98.6	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 11734

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

A-G

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 to 10	≥4	≥0
NO CEILING	19.3	30.9	35.0	35.3	36.7	37.6	37.9	38.2	38.5	38.7	38.8	38.9	39.2	39.4	39.5	39.4
≥ 20000	24.2	37.9	40.5	43.2	44.7	45.5	45.8	46.4	46.7	47.0	47.1	47.2	47.3	47.6	47.7	47.9
≥ 18000	24.2	35.0	40.6	43.2	44.8	45.5	45.8	46.3	46.8	47.0	47.2	47.2	47.5	47.7	47.9	48.0
IV 16000	24.2	35.0	40.6	43.2	44.8	45.5	45.7	45.5	46.5	47.0	47.2	47.3	47.5	47.7	47.8	48.0
IV 14000	24.3	38.1	40.7	43.3	44.9	45.6	45.8	46.6	46.9	47.1	47.3	47.3	47.6	47.8	47.9	48.1
IV 12000	24.9	38.9	41.5	44.2	45.3	46.6	46.7	47.5	47.9	48.1	48.2	48.3	48.6	48.8	48.9	49.0
IV 10000	27.5	44.2	47.2	50.3	52.2	53.0	53.2	54.1	54.5	54.7	54.8	54.9	55.2	55.4	55.5	55.7
IV 9000	29.3	47.0	50.5	53.8	55.8	56.6	57.0	57.9	58.3	58.6	58.7	58.8	59.1	59.3	59.4	59.6
IV 8000	30.0	48.5	52.1	55.6	57.7	58.8	58.9	59.9	60.4	60.6	60.8	60.9	61.2	61.4	61.5	61.6
IV 7000	30.3	49.1	52.8	56.3	58.4	59.5	59.7	60.7	61.1	61.4	61.5	61.6	61.9	62.1	62.3	62.4
IV 6000	32.2	52.1	56.0	59.5	62.0	63.2	63.4	64.4	64.8	65.1	65.3	65.4	65.7	65.9	66.1	66.2
IV 5000	35.4	57.1	61.5	65.7	68.0	69.3	69.5	70.7	71.1	71.4	71.5	71.6	71.9	72.2	72.3	72.5
IV 4500	39.6	57.3	61.9	66.2	68.5	69.8	70.0	71.2	71.6	71.9	72.1	72.2	72.5	72.7	72.8	73.0
IV 4000	39.1	58.2	63.0	67.6	70.2	71.5	71.8	73.0	73.5	73.8	74.0	74.1	74.4	74.6	74.7	75.0
IV 3500	39.6	63.0	68.9	73.6	76.2	77.5	77.8	79.1	79.5	79.8	80.0	80.1	80.4	80.7	80.8	81.0
IV 3000	42.0	67.8	73.1	78.1	80.9	82.4	82.7	84.1	84.5	84.8	85.0	85.1	85.4	85.7	85.8	86.0
IV 2500	43.2	69.7	75.3	80.3	83.3	85.0	85.3	86.7	87.2	87.5	87.7	87.8	88.1	88.4	88.5	88.7
IV 2000	44.0	71.6	77.4	82.9	86.1	87.8	88.1	89.6	90.1	90.4	90.6	90.7	91.0	91.3	91.5	91.6
IV 1800	44.2	71.9	77.8	83.3	86.6	88.3	88.6	90.1	90.6	90.9	91.1	91.2	91.5	91.7	91.8	92.0
IV 1500	44.8	73.2	79.3	85.1	88.5	90.4	90.8	92.3	92.8	93.1	93.3	93.4	93.8	94.0	94.1	94.3
IV 1200	45.0	73.7	79.9	85.9	89.4	91.3	91.7	93.2	93.8	94.1	94.3	94.4	94.8	95.0	95.1	95.3
IV 1000	45.1	74.1	80.5	86.7	90.3	92.3	92.7	94.3	94.9	95.2	95.4	95.5	95.9	96.1	96.2	96.4
IV 900	45.1	74.1	80.5	86.8	90.4	92.4	92.8	94.4	95.0	95.3	95.5	95.6	96.0	96.2	96.3	96.5
IV 800	45.2	74.3	80.8	87.2	91.0	93.1	93.5	95.1	95.7	96.0	96.2	96.3	96.7	96.9	97.0	97.2
IV 700	45.2	74.4	80.9	87.4	91.2	93.3	93.7	95.3	95.9	96.2	96.4	96.5	96.9	97.1	97.2	97.4
IV 600	45.2	74.4	80.9	87.5	91.4	93.6	94.0	95.6	96.2	96.5	96.7	96.8	97.2	97.4	97.5	97.7
IV 500	45.2	74.4	81.0	87.6	91.5	93.8	94.2	95.8	96.4	96.7	96.9	97.0	97.4	97.6	97.7	97.9
IV 400	45.2	74.4	81.0	87.6	91.6	93.9	94.3	95.9	96.5	96.8	97.0	97.1	97.5	97.7	97.8	98.0
IV 300	45.2	74.4	81.0	87.6	91.6	93.9	94.3	96.0	96.6	96.9	97.1	97.2	97.6	97.8	97.9	98.1
IV 200	45.2	74.4	81.0	87.6	91.6	94.0	94.4	96.0	96.6	96.9	97.1	97.2	97.6	97.8	97.9	98.1
IV 100	45.2	74.4	81.0	87.6	91.6	94.0	94.4	96.0	96.6	96.9	97.1	97.2	97.6	97.8	97.9	98.1
IV 0	45.2	74.4	81.0	87.6	91.6	94.0	94.4	96.0	96.6	96.9	97.1	97.2	97.6	97.8	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 11738

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅓	≥⅓	≥0
NO CEILING	19.0	29.8	34.1	38.0	40.7	42.4	42.8	44.6	45.3	45.7	45.9	46.3	46.6	46.7	47.3	
IV 20000	18.4	25.7	40.5	44.9	48.0	49.8	50.3	52.2	52.6	52.4	52.6	52.7	54.1	54.4	54.5	55.0
IV 18000	18.6	35.7	40.5	44.9	48.0	49.8	50.3	52.2	53.0	53.4	53.6	53.7	54.1	54.6	54.9	55.0
IV 16000	18.6	35.7	40.5	44.9	48.0	49.8	50.3	52.2	53.0	53.4	53.6	53.7	54.1	54.6	54.9	55.1
IV 14000	18.7	35.8	40.7	45.1	48.2	50.0	50.5	52.4	53.2	53.6	53.8	53.9	54.3	54.6	54.7	55.2
IV 12000	19.0	36.4	41.2	45.8	48.9	50.8	51.2	53.2	54.0	54.4	54.6	54.7	55.1	55.2	55.6	56.1
IV 10000	20.4	39.4	44.6	47.5	52.8	54.8	55.6	57.4	58.2	58.7	59.0	59.1	59.5	59.9	60.0	60.5
IV 9000	21.3	41.2	46.6	51.8	55.2	57.3	57.9	60.0	60.9	61.2	61.6	61.8	62.2	62.6	62.6	63.2
IV 8000	21.7	42.3	47.8	53.2	56.7	58.8	59.4	61.4	62.3	62.9	63.0	63.3	63.4	63.8	64.2	64.9
IV 7000	21.9	42.7	48.3	53.8	57.3	59.5	60.1	62.3	63.2	63.7	64.0	64.1	64.5	64.9	65.0	65.5
IV 6000	23.2	43.1	50.9	56.6	60.2	62.5	63.1	65.3	66.2	66.7	67.1	67.2	67.6	68.0	68.1	68.6
IV 5000	23.5	46.7	54.8	60.9	64.6	67.1	67.8	70.1	71.1	71.6	71.9	72.1	72.5	72.9	73.0	73.5
IV 4500	25.7	49.2	58.4	61.5	65.2	67.5	68.4	70.7	71.7	72.3	72.6	72.7	73.1	73.3	73.6	74.2
IV 4000	28.3	52.6	62.2	66.5	71.0	73.7	74.3	76.5	77.5	78.4	78.7	78.9	79.3	79.3	79.3	80.0
IV 3500	28.8	54.4	61.0	67.8	72.1	74.7	75.4	77.7	78.7	79.3	79.8	79.8	80.0	80.4	80.8	81.4
IV 3000	30.3	57.1	64.1	71.1	75.7	78.6	79.3	81.9	83.0	83.6	83.9	84.1	84.5	84.9	85.0	85.6
IV 2500	31.2	58.7	65.8	73.2	77.9	81.0	81.7	84.4	85.5	86.1	86.3	86.5	87.1	87.4	87.8	88.1
IV 2000	32.0	60.1	67.4	75.2	80.1	83.4	84.1	86.9	88.1	88.7	89.1	89.2	89.7	90.1	90.2	90.7
IV 1500	32.1	60.3	67.7	75.5	80.4	83.7	84.5	87.4	88.6	89.1	89.3	89.7	90.3	90.3	90.4	91.2
IV 1500	32.4	61.0	68.6	76.6	81.7	85.1	85.9	88.9	90.1	90.6	91.0	91.2	91.7	92.1	92.2	92.7
IV 1200	32.5	61.4	69.0	77.2	82.4	85.9	86.8	89.8	91.0	91.6	92.0	92.2	92.6	93.0	93.1	93.7
IV 1000	32.7	61.9	69.7	78.0	83.8	87.1	87.9	91.1	92.3	93.0	93.4	93.6	94.0	94.4	94.5	95.1
IV 900	32.7	61.9	69.7	78.1	83.8	87.2	88.1	91.3	92.5	93.1	93.5	93.8	94.2	94.6	94.7	95.3
IV 800	32.7	62.0	69.9	78.4	83.9	87.7	88.5	91.8	93.0	93.7	94.1	94.3	94.8	95.2	95.3	95.9
IV 700	32.7	62.0	69.9	78.4	84.1	87.9	88.7	92.1	93.4	94.0	94.3	94.7	95.2	95.6	95.7	96.3
IV 600	32.7	62.0	70.0	78.5	84.2	88.1	89.0	92.5	93.8	94.6	95.1	95.3	95.8	96.2	96.3	96.9
IV 500	32.7	62.0	70.0	78.6	84.4	88.3	89.2	92.9	94.4	95.1	95.6	95.8	96.4	96.8	96.9	97.4
IV 400	32.7	62.0	70.0	78.6	84.4	88.3	89.2	92.9	94.4	95.1	95.6	95.8	96.4	96.8	96.9	97.4
IV 300	32.7	62.0	70.0	78.6	84.4	88.3	89.2	92.9	94.4	95.1	95.6	95.8	96.4	96.8	96.9	97.4
IV 200	32.7	62.0	70.0	78.6	84.4	88.3	89.2	92.9	94.4	95.1	95.6	95.8	96.4	96.8	96.9	97.4
IV 100	32.7	62.0	70.0	78.6	84.4	88.3	89.2	92.9	94.4	95.1	95.6	95.8	96.4	96.8	96.9	97.4
IV 0	32.7	62.0	70.0	78.6	84.4	88.3	89.2	92.9	94.4	95.1	95.6	95.8	96.4	96.8	96.9	97.4

TOTAL NUMBER OF OBSERVATIONS 11424

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

YEAR

1961

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ 0
NO CEILING ≥ 20000	8.6	16.4	19.9	23.9	27.2	29.7	30.5	33.5	34.7	35.7	36.1	36.9	37.0	37.3	37.6	38.2
IV 18000	8.4	20.1	24.3	29.2	33.0	35.9	36.7	40.3	41.6	42.6	43.1	43.4	43.9	44.3	44.6	45.2
IV 16000	8.5	20.1	24.3	29.2	33.0	35.9	36.7	40.3	41.6	42.6	43.1	43.4	43.9	44.3	44.6	45.2
IV 14000	8.9	20.2	24.4	29.3	33.1	36.0	36.8	40.4	41.7	42.8	43.3	43.6	44.1	44.5	44.8	45.4
IV 12000	8.7	22.9	24.9	29.8	33.6	36.6	37.4	41.0	42.3	43.4	43.9	44.2	44.8	45.1	45.4	46.0
IV 10000	9.4	22.7	27.8	32.7	36.7	39.8	40.6	44.3	45.6	46.7	47.2	47.4	48.0	48.3	48.7	49.5
IV 8000	9.9	23.9	28.9	34.4	38.8	41.7	42.5	46.3	47.6	48.7	49.2	49.4	50.0	50.3	50.7	51.5
IV 7000	10.4	24.9	30.0	35.7	39.9	43.2	44.1	48.0	49.3	50.4	50.9	51.4	51.7	52.3	52.7	53.6
IV 6000	10.6	25.2	30.3	36.3	40.7	43.9	44.8	48.9	50.2	51.3	51.8	52.1	52.6	53.1	53.5	54.3
IV 5000	11.3	26.9	31.9	37.9	42.5	45.8	46.8	51.0	52.3	53.4	53.9	54.3	54.7	55.2	55.6	56.5
IV 4500	12.6	29.2	34.9	41.1	45.9	49.4	50.4	54.7	56.0	57.1	57.6	58.1	58.4	59.0	59.4	60.3
IV 4000	12.8	29.6	35.4	41.7	46.4	49.9	50.9	55.2	56.5	57.6	58.1	58.4	59.0	59.4	60.0	60.9
IV 3500	14.4	32.9	38.9	45.7	50.7	54.3	55.4	60.0	61.3	62.4	62.9	63.4	63.8	64.4	64.8	65.7
IV 3000	14.7	33.2	39.8	46.8	51.8	55.4	56.5	61.2	62.5	63.6	64.1	64.4	65.0	65.4	66.0	66.9
IV 2500	16.2	36.1	43.1	50.8	56.9	60.2	61.3	66.4	67.7	68.8	69.3	70.1	70.4	71.1	71.5	72.4
IV 2000	17.0	38.0	45.2	53.9	59.2	63.4	64.5	69.8	71.1	72.2	72.7	73.4	73.8	74.4	74.8	75.9
IV 1800	17.7	39.8	47.3	56.4	62.6	67.0	68.1	73.5	74.8	75.9	76.4	77.1	77.5	78.1	78.5	79.9
IV 1500	17.9	40.1	47.7	57.1	63.3	67.8	68.9	74.3	75.6	76.7	77.2	77.9	78.3	78.9	79.3	80.8
IV 1200	18.4	41.4	49.6	59.2	66.0	70.5	71.6	77.0	78.3	79.4	79.9	80.6	81.0	81.6	82.0	83.6
IV 1000	18.9	41.7	50.4	60.9	67.8	72.3	73.4	78.8	80.1	81.2	81.7	82.4	82.8	83.4	83.8	85.4
IV 900	18.7	42.4	51.3	61.7	69.3	74.7	75.8	81.2	82.5	83.6	84.1	84.8	85.2	85.8	86.2	87.9
IV 800	18.7	42.9	51.4	61.9	69.8	74.9	76.0	81.4	82.7	83.8	84.3	85.0	85.4	86.0	86.4	88.1
IV 700	18.7	42.7	51.8	62.5	70.5	76.1	77.2	82.6	83.9	85.0	85.5	86.2	86.6	87.2	87.6	89.3
IV 600	18.7	42.8	52.0	62.9	71.1	76.7	77.8	83.2	84.5	85.6	86.1	86.8	87.2	87.8	88.2	90.0
IV 500	18.7	42.9	52.1	63.1	71.5	77.1	78.2	83.6	84.9	86.0	86.5	87.2	87.6	88.2	88.6	90.4
IV 400	18.7	42.9	52.2	63.3	72.0	77.5	78.6	84.0	85.3	86.4	86.9	87.6	88.0	88.6	89.0	90.8
IV 300	18.7	42.9	52.2	63.3	72.0	77.5	78.6	84.0	85.3	86.4	86.9	87.6	88.0	88.6	89.0	90.8
IV 200	18.7	42.9	52.2	63.3	72.0	77.5	78.6	84.0	85.3	86.4	86.9	87.6	88.0	88.6	89.0	90.8
IV 100	18.7	42.9	52.2	63.3	72.0	77.5	78.6	84.0	85.3	86.4	86.9	87.6	88.0	88.6	89.0	90.8
IV 0	18.7	42.9	52.2	63.3	72.0	77.5	78.6	84.0	85.3	86.4	86.9	87.6	88.0	88.6	89.0	90.8

TOTAL NUMBER OF OBSERVATIONS 11853

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

34177 NUSBERG GERMANY/FORT

55-76

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
NO CEILING	3.3	9.1	11.1	13.2	15.0	16.5	16.8	18.5	18.9	19.2	19.3	19.4	19.4	19.6	19.6	19.7
IV 20000	5.2	12.2	14.7	17.3	19.6	21.4	21.9	23.9	24.4	24.3	24.9	25.9	25.0	25.2	25.2	25.1
IV 18000	5.2	12.3	14.7	17.3	19.6	21.4	21.9	23.9	24.4	24.3	24.9	25.9	25.0	25.2	25.2	25.1
IV 16000	5.3	12.3	14.8	17.3	19.6	21.4	22.0	23.9	24.4	24.6	24.9	25.6	25.1	25.3	25.3	25.0
IV 14000	5.4	12.4	14.9	17.5	19.8	21.6	22.1	24.1	24.6	25.0	25.1	25.2	25.3	25.4	25.3	25.1
IV 12000	5.7	13.2	15.9	18.3	20.8	22.6	23.1	25.1	25.4	26.2	26.1	26.2	26.3	26.4	26.3	26.1
IV 10000	6.7	15.2	18.2	21.3	24.0	26.1	26.7	28.9	29.3	29.3	30.1	30.2	30.3	30.3	30.5	30.4
IV 9000	7.2	16.5	19.8	23.1	26.0	28.2	29.0	31.4	32.0	32.7	32.7	32.7	32.7	33.1	33.1	33.3
IV 8000	7.7	17.6	20.8	24.3	27.3	30.1	30.7	33.3	34.1	34.3	34.7	34.8	34.9	35.1	35.1	35.2
IV 7000	7.8	17.7	21.1	24.7	27.9	30.6	31.2	33.9	34.6	35.1	35.3	35.4	35.5	35.6	35.7	35.8
IV 6000	8.5	19.0	22.7	26.5	29.6	32.6	33.4	36.1	36.8	37.2	37.5	37.6	37.7	37.9	37.9	38.1
IV 5000	9.3	21.1	25.2	29.3	32.6	35.9	36.8	39.6	40.4	40.9	41.1	41.2	41.4	41.5	41.6	41.8
IV 4500	9.9	21.8	25.9	30.1	33.7	36.8	37.6	40.5	41.3	41.8	42.0	42.1	42.2	42.4	42.4	42.6
IV 4000	11.3	25.1	29.8	34.4	38.5	42.0	42.5	46.1	46.9	47.4	47.6	47.8	47.9	48.1	48.1	48.3
IV 3500	11.9	26.4	31.2	36.0	40.2	43.7	44.8	48.5	48.9	49.4	49.6	49.7	49.9	50.0	50.1	50.3
IV 3000	13.6	29.8	33.4	40.9	45.9	49.8	50.7	54.4	55.3	55.9	56.1	56.2	56.4	56.6	56.6	56.8
IV 2500	14.3	31.8	37.9	44.2	49.0	53.8	55.0	58.5	59.7	60.4	60.7	60.8	60.9	61.2	61.2	61.4
IV 2000	15.2	34.4	41.4	48.3	54.2	59.0	60.3	64.3	65.3	66.1	66.4	66.6	66.7	66.9	66.9	67.2
IV 1800	15.3	35.1	42.3	49.7	55.7	60.6	61.9	65.1	67.1	67.5	68.2	68.4	68.5	68.7	68.8	69.0
IV 1500	15.3	37.3	45.2	53.3	60.2	65.7	67.1	71.7	72.8	73.7	74.0	74.2	74.3	74.5	74.6	74.8
IV 1200	16.2	38.5	47.1	56.1	63.6	69.5	71.0	76.0	77.2	78.2	78.5	78.7	78.9	79.1	79.1	79.3
IV 1000	16.3	39.3	48.3	58.2	66.5	72.0	74.4	80.2	81.6	82.7	83.1	83.3	83.5	83.7	83.7	83.9
IV 900	16.3	39.4	48.4	58.3	67.1	73.3	75.4	81.3	82.4	83.7	84.1	84.3	84.5	84.7	84.7	84.9
IV 800	16.3	39.4	48.4	59.4	68.4	75.2	77.1	83.4	84.9	86.2	86.6	86.8	87.0	87.2	87.2	87.4
IV 700	16.3	39.5	48.5	59.5	69.5	76.3	78.3	85.5	86.9	88.2	88.6	88.8	89.0	89.2	89.2	89.4
IV 600	16.3	39.5	49.1	60.1	69.8	77.3	79.4	86.5	88.2	89.6	90.0	90.2	90.4	90.7	90.7	90.9
IV 500	16.3	39.5	49.3	60.4	70.2	78.0	80.5	87.9	89.4	91.3	92.4	92.6	92.8	93.0	93.1	93.3
IV 400	16.3	39.5	49.4	60.5	70.2	78.3	80.6	88.7	90.6	93.0	93.7	94.0	94.3	94.5	94.6	94.8
IV 300	16.3	39.5	49.4	60.5	70.4	78.4	80.9	89.4	91.6	94.3	95.3	95.7	96.0	96.3	96.5	96.8
IV 200	16.3	39.5	49.4	60.5	70.4	78.4	80.9	89.4	91.6	94.3	95.3	95.7	96.0	96.3	96.5	96.8
IV 100	16.3	39.5	49.4	60.5	70.4	78.4	80.9	89.4	91.6	94.3	95.3	95.7	96.0	96.3	96.5	96.8
IV 0	16.3	39.5	49.4	60.5	70.4	78.4	80.9	89.4	91.6	94.3	95.3	95.7	96.0	96.3	96.5	96.8

TOTAL NUMBER OF OBSERVATIONS 11486

DATA PROCESSING 101517
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34177 NUMBER 068-444/FLAT

55-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥0
NO CEILING	2.1	7.3	9.2	11.5	13.5	14.7	15.5	17.2	18.2	18.9	19.0	19.2	19.3	19.4	19.4	19.5
≥ 20000	2.5	8.5	11.2	14.2	16.3	18.3	19.1	21.2	22.3	23.1	23.3	23.4	23.6	23.6	23.6	23.7
IV 18000	2.6	8.9	11.3	14.2	16.4	18.3	19.2	21.4	22.4	23.1	23.3	23.5	23.6	23.7	23.7	23.8
IV 16000	2.6	8.9	11.3	14.2	16.4	18.3	19.2	21.4	22.4	23.2	23.3	23.5	23.6	23.7	23.7	23.8
IV 14000	2.6	9.0	11.4	14.3	16.5	18.4	19.3	21.5	22.5	23.2	23.4	23.6	23.7	23.8	23.8	23.9
IV 12000	2.7	9.2	11.5	14.6	16.6	18.6	19.6	21.5	22.9	23.7	23.9	24.0	24.2	24.2	24.2	24.4
IV 10000	3.6	10.9	13.7	17.1	19.5	21.4	22.6	25.3	26.3	27.1	27.3	27.5	27.7	27.7	27.7	27.9
IV 9000	4.1	12.1	15.2	18.9	21.6	24.0	25.0	27.8	28.9	29.8	30.0	30.2	30.3	30.4	30.4	30.5
IV 8000	4.3	12.7	16.0	19.8	22.6	25.3	26.4	29.4	30.6	31.4	31.7	31.8	32.0	32.0	32.0	32.2
IV 7000	4.4	12.8	16.1	20.0	23.1	25.6	26.7	29.6	30.9	31.7	32.0	32.2	32.3	32.4	32.4	32.5
IV 6000	5.7	13.7	17.2	21.3	24.4	27.0	28.1	31.2	32.3	33.2	33.4	33.6	33.8	33.8	33.8	34.0
IV 5000	5.5	13.4	19.1	23.6	26.9	29.7	30.8	34.0	35.1	36.0	36.3	36.5	36.6	36.7	36.7	36.8
IV 4500	5.7	13.7	19.4	23.9	27.3	30.1	31.2	34.4	35.6	36.4	36.7	36.9	37.0	37.1	37.1	37.2
IV 4000	7.1	15.7	22.7	27.7	31.4	34.5	35.7	39.1	40.3	41.3	41.5	41.7	41.9	41.9	42.0	42.1
IV 3500	7.3	15.8	23.7	28.8	32.7	35.8	37.1	40.6	41.8	42.7	43.0	43.1	43.3	43.3	43.4	43.5
IV 3000	8.8	22.2	26.9	32.5	36.9	40.4	41.7	45.6	46.9	47.8	48.1	48.3	48.5	48.6	48.6	48.7
IV 2500	9.6	24.5	29.8	36.1	40.9	44.8	46.2	50.5	51.8	52.8	53.1	53.3	53.6	53.6	53.6	53.7
IV 2000	10.6	27.2	33.1	40.3	45.7	50.1	51.8	56.6	58.1	59.1	59.5	59.7	59.9	59.9	60.0	60.1
IV 1800	10.9	27.9	34.2	41.5	47.2	51.9	53.6	58.6	60.1	61.1	61.5	61.7	62.0	62.0	62.0	62.1
IV 1500	11.6	30.3	37.1	43.5	51.9	57.0	58.1	64.7	66.4	67.5	67.9	68.1	68.4	68.5	68.5	68.6
IV 1200	12.1	31.5	38.9	46.1	55.3	61.2	63.4	69.6	71.5	72.8	73.3	73.5	73.8	73.8	73.8	74.0
IV 1000	12.3	32.7	40.7	50.9	59.0	65.6	68.2	75.0	77.4	78.9	79.5	79.7	80.0	80.1	80.1	80.2
IV 900	12.4	33.0	41.2	51.6	59.9	67.0	69.4	76.5	78.9	80.3	81.1	81.3	81.6	81.7	81.7	81.8
IV 800	12.4	33.3	41.6	52.5	61.4	69.0	71.6	79.2	81.8	83.5	84.1	84.4	84.7	84.8	84.8	84.9
IV 700	12.4	33.4	41.9	52.8	62.7	70.7	73.5	81.7	84.4	86.4	87.0	87.3	87.7	87.7	87.7	87.9
IV 600	12.4	33.5	42.2	53.8	63.1	72.3	75.3	84.0	86.9	89.0	89.8	90.1	90.5	90.6	90.6	90.7
IV 500	12.4	33.5	42.3	54.1	64.5	73.5	76.8	86.0	89.3	91.8	92.7	93.1	93.6	93.7	93.7	93.9
IV 400	12.4	33.6	42.3	54.3	64.7	74.0	77.3	87.0	90.6	92.4	94.5	94.9	95.5	95.7	95.7	95.8
IV 300	12.4	33.6	42.3	54.3	64.7	74.1	77.4	87.4	91.2	94.7	96.2	96.8	97.5	97.7	97.8	97.9
IV 200	12.4	33.6	42.3	54.3	64.7	74.1	77.4	87.4	91.2	94.7	96.2	96.8	97.5	97.7	97.8	97.9
IV 100	12.4	33.6	42.3	54.3	64.7	74.1	77.4	87.4	91.2	94.7	96.2	96.8	97.5	97.7	97.8	97.9
IV 0	12.4	33.6	42.3	54.3	64.7	74.1	77.4	87.4	91.2	94.7	96.2	96.8	97.5	97.7	97.8	97.9

TOTAL NUMBER OF OBSERVATIONS 11885

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34377 NURNBERG GERMAN Y/FURTH

55-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-02
000-151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	3.0	10.2	13.0	17.1	19.5	22.3	22.4	24.7	25.9	26.8	27.0	27.0	27.1	27.1	27.1	27.1
≥ 20000	3.5	12.2	14.5	19.7	22.7	25.7	26.0	28.5	29.0	30.7	30.9	30.9	31.0	31.0	31.0	31.0
≥ 18000	3.6	12.2	14.5	19.7	22.7	25.7	26.0	28.6	29.8	30.7	30.9	30.9	31.0	31.0	31.0	31.0
≥ 16000	3.6	12.2	14.5	19.7	22.7	25.7	26.0	28.6	29.8	30.7	30.9	30.9	31.0	31.0	31.0	31.0
≥ 14000	3.6	12.4	14.7	20.0	23.0	25.9	26.3	28.9	30.0	31.0	31.2	31.2	31.3	31.3	31.3	31.3
≥ 12000	3.6	12.6	14.9	20.2	23.3	26.4	26.7	29.4	30.6	31.5	31.7	31.7	31.8	31.8	31.8	31.8
≥ 10000	4.4	14.4	17.1	23.1	26.2	29.8	30.1	33.4	34.5	35.5	35.7	35.7	35.8	35.8	35.8	35.8
≥ 9000	5.2	15.9	18.6	24.7	28.3	32.3	32.6	36.5	37.7	38.6	38.8	38.8	38.9	38.9	38.9	38.9
≥ 8000	5.4	16.2	19.0	25.1	28.8	32.9	33.3	37.2	38.4	39.4	39.6	39.6	39.7	39.7	39.7	39.7
≥ 7000	5.7	16.7	19.5	25.6	29.3	33.5	34.0	38.0	39.2	40.1	40.3	40.3	40.4	40.4	40.4	40.4
≥ 6000	5.7	16.9	19.8	25.1	29.8	34.1	34.6	38.6	39.9	40.9	41.1	41.1	41.2	41.2	41.2	41.2
≥ 5000	6.3	18.1	21.4	28.0	31.9	36.2	36.8	41.0	42.3	43.2	43.5	43.5	43.5	43.5	43.5	43.5
≥ 4500	6.5	18.4	21.8	28.4	32.3	36.6	37.2	41.4	42.7	43.7	43.9	43.9	44.0	44.0	44.0	44.0
≥ 4000	7.7	21.8	25.6	33.1	37.6	42.3	42.9	47.4	48.7	49.7	49.9	49.9	50.0	50.0	50.0	50.0
≥ 3500	7.8	22.0	25.9	33.6	38.2	43.1	43.7	48.4	49.7	50.7	50.9	50.9	51.0	51.0	51.0	51.0
≥ 3000	9.2	25.7	30.0	35.2	43.3	43.9	49.5	54.5	56.1	57.1	57.3	57.3	57.4	57.4	57.4	57.4
≥ 2500	10.1	27.6	31.9	41.0	46.7	52.4	53.1	58.6	60.3	61.3	61.5	61.5	61.6	61.6	61.6	61.6
≥ 2000	10.6	30.1	35.1	44.6	51.1	57.3	58.1	64.4	66.1	67.2	67.5	67.5	67.5	67.5	67.5	67.5
≥ 1800	10.7	30.8	35.9	45.7	52.2	58.5	59.3	66.2	67.9	69.1	69.3	69.3	69.4	69.4	69.4	69.4
≥ 1500	10.8	32.5	38.1	48.5	56.0	62.8	63.6	71.2	73.1	74.2	74.5	74.5	74.6	74.6	74.6	74.6
≥ 1200	11.0	33.3	39.3	50.3	58.8	66.7	67.8	76.2	78.6	79.6	79.8	79.8	79.9	79.9	79.9	79.9
≥ 1000	11.0	33.5	40.1	52.0	61.4	69.8	71.2	81.0	83.7	85.0	85.2	85.2	85.3	85.3	85.3	85.3
≥ 900	11.0	33.7	40.3	52.2	61.9	70.3	71.8	82.0	84.7	86.2	86.4	86.4	86.5	86.5	86.5	86.5
≥ 800	11.0	33.7	40.7	53.3	63.1	72.2	73.9	84.3	87.1	88.6	88.8	88.8	88.9	88.9	88.9	88.9
≥ 700	11.0	33.8	40.8	53.5	64.1	73.8	75.3	86.4	89.2	90.9	91.1	91.1	91.3	91.3	91.3	91.3
≥ 600	11.0	33.9	41.0	54.3	65.1	75.1	76.9	88.2	91.4	93.1	93.3	93.3	93.6	93.6	93.6	93.6
≥ 500	11.0	33.9	41.1	54.4	65.2	75.7	77.6	89.4	92.8	94.6	94.8	94.8	95.1	95.2	95.2	95.2
≥ 400	11.0	33.9	41.1	54.4	65.2	76.1	78.1	90.2	94.0	96.3	96.5	96.5	96.8	96.8	96.8	96.8
≥ 300	11.0	33.9	41.1	54.4	65.2	76.1	78.1	90.7	94.8	97.2	97.4	97.4	97.7	97.7	97.7	97.7
≥ 200	11.0	33.9	41.3	54.4	65.2	76.1	78.1	90.8	95.0	97.3	97.6	97.6	98.3	98.3	98.3	98.3
≥ 100	11.0	33.9	41.3	54.4	65.2	76.1	78.1	90.8	95.0	97.3	97.6	97.6	98.3	98.3	98.3	98.3
≥ 0	11.0	33.9	41.3	54.4	65.2	76.2	78.2	90.9	95.3	97.6	98.1	98.1	98.9	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1485

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/44C

CEILING VERSUS VISIBILITY

34177 WURNBEEG GER Y/F-KT-M

35-1

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	2.2	9.1	11.5	15.1	17.1	20.6	20.7	23.3	24.7	25.3	25.4	25.6	25.7	25.7	25.7	25.7
≥ 20000	3.0	10.8	13.5	17.7	19.8	23.4	23.7	26.5	28.0	28.6	28.6	28.9	29.0	29.0	29.0	29.0
≥ 18000	3.0	10.8	13.5	17.7	19.8	23.4	23.7	26.5	28.0	28.6	28.6	28.9	29.0	29.0	29.0	29.0
≥ 16000	3.0	10.8	13.5	17.7	19.8	23.4	23.7	26.5	28.0	28.6	28.6	28.9	29.0	29.0	29.0	29.0
≥ 14000	3.0	11.0	13.7	18.1	20.2	23.8	24.1	26.9	28.4	29.0	29.1	29.3	29.4	29.4	29.4	29.4
≥ 12000	3.2	11.2	14.1	18.8	20.9	24.7	25.1	27.9	29.4	30.0	30.1	30.3	30.4	30.4	30.4	30.4
≥ 10000	4.0	12.6	15.9	21.3	23.5	27.5	27.6	30.7	32.2	32.8	32.9	33.2	33.2	33.2	33.2	33.2
≥ 9000	4.8	14.2	17.6	23.1	25.9	30.1	30.5	33.5	35.0	35.6	35.6	35.9	36.0	36.0	36.0	36.0
≥ 8000	5.2	14.9	18.6	24.1	27.0	31.2	31.7	34.9	36.5	37.1	37.2	37.5	37.5	37.5	37.5	37.5
≥ 7000	5.3	15.0	18.6	24.1	27.0	31.4	31.9	35.2	36.8	37.4	37.5	37.7	37.8	37.8	37.8	37.8
≥ 6000	5.4	15.6	19.2	24.9	28.0	32.5	33.1	36.4	38.1	38.7	38.8	39.1	39.1	39.1	39.1	39.1
≥ 5000	6.4	17.5	21.5	27.4	31.1	35.8	36.4	40.1	41.8	42.4	42.5	42.8	42.8	42.8	42.8	42.8
≥ 4500	6.5	17.7	21.7	27.6	31.5	36.1	36.7	40.4	42.2	42.8	42.8	43.1	43.2	43.2	43.2	43.2
≥ 4000	7.5	20.2	24.3	30.8	35.4	40.3	41.0	44.8	46.7	47.3	47.4	47.7	47.7	47.7	47.7	47.7
≥ 3500	7.5	20.6	24.7	31.4	36.1	41.1	41.7	45.7	47.6	48.2	48.3	48.6	48.6	48.6	48.6	48.6
≥ 3000	8.3	23.7	28.7	36.2	41.4	46.9	47.5	51.5	53.7	54.3	54.4	54.7	54.7	54.7	54.7	54.7
≥ 2500	9.0	25.4	30.7	38.7	44.1	49.8	50.5	54.9	57.3	58.0	58.0	58.3	58.4	58.4	58.4	58.4
≥ 2000	9.8	26.2	33.8	42.6	48.9	55.5	56.4	61.8	64.4	65.1	65.2	65.4	65.5	65.5	65.5	65.5
≥ 1800	10.2	29.3	35.2	44.2	50.8	57.7	58.6	64.5	67.1	67.9	67.9	68.2	68.3	68.3	68.3	68.3
≥ 1500	10.2	31.3	37.7	47.3	54.2	61.7	62.9	69.3	72.3	73.3	73.6	73.9	74.0	74.0	74.0	74.0
≥ 1200	10.9	32.3	39.2	49.2	57.0	65.2	66.4	73.4	76.7	77.5	77.5	78.0	78.1	78.1	78.1	78.1
≥ 1000	10.9	33.2	40.3	51.0	59.2	68.1	69.9	77.5	80.9	81.7	81.8	82.3	82.4	82.4	82.4	82.4
≥ 900	10.9	33.4	40.7	51.5	59.9	68.7	70.2	78.3	81.9	82.7	82.8	83.4	83.5	83.5	83.5	83.5
≥ 800	10.9	33.6	41.1	52.5	61.7	71.2	72.8	81.7	85.4	86.2	86.3	86.9	87.0	87.0	87.0	87.0
≥ 700	10.9	33.6	41.3	53.1	62.8	72.5	74.2	83.6	87.3	88.1	88.2	88.8	88.8	88.8	88.8	88.8
≥ 600	10.9	33.7	41.4	53.3	63.3	74.2	76.1	86.4	90.3	91.2	91.4	92.0	92.1	92.1	92.1	92.1
≥ 500	10.9	33.8	41.5	53.7	63.9	75.1	78.1	88.9	93.1	94.3	94.4	95.0	95.1	95.1	95.1	95.1
≥ 400	10.9	33.8	41.6	53.8	64.0	76.4	78.6	90.0	94.6	96.0	96.0	96.7	96.8	96.8	96.8	96.8
≥ 300	10.9	33.9	41.6	53.9	64.1	76.5	78.7	90.7	95.6	97.2	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	10.9	33.9	41.6	53.9	64.1	76.5	78.7	90.9	95.9	97.6	97.7	98.5	98.5	98.5	98.5	98.5
≥ 100	10.9	33.9	41.6	53.9	64.1	76.5	78.7	90.9	95.9	97.6	97.7	98.5	98.5	98.5	98.5	98.5
≥ 0	10.9	33.9	41.6	53.9	64.1	76.5	78.7	90.9	95.9	98.0	98.3	99.1	99.1	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1487

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/E.RTH

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4400-05

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	1.0	4.6	6.5	9.1	11.6	13.8	14.9	18.1	19.7	20.4	20.6	20.8	21.0	21.0	21.0	21.0
≥ 20000	1.3	5.9	8.1	11.3	13.4	16.5	17.9	22.0	23.7	24.6	24.8	25.1	25.3	25.3	25.3	25.4
≥ 18000	1.3	5.9	8.1	11.3	13.4	16.5	17.9	22.0	23.7	24.6	24.8	25.1	25.3	25.3	25.3	25.4
≥ 16000	1.3	5.9	8.1	11.3	13.4	16.5	17.9	22.0	23.7	24.6	24.8	25.1	25.3	25.3	25.3	25.4
≥ 14000	1.3	5.9	8.1	11.4	13.4	16.6	18.0	22.1	23.8	24.7	24.9	25.1	25.4	25.4	25.4	25.4
≥ 12000	1.4	5.9	8.2	11.5	13.7	17.1	18.6	22.7	24.5	25.5	25.7	25.9	26.2	26.2	26.2	26.2
≥ 10000	1.5	7.4	10.0	13.9	16.8	20.8	22.5	27.0	28.9	30.0	30.2	30.4	30.7	30.7	30.7	30.7
≥ 9000	2.0	8.5	11.6	15.9	19.2	23.2	24.9	29.4	31.5	32.7	32.9	33.1	33.4	33.4	33.4	33.4
≥ 8000	2.2	9.0	12.9	16.7	20.3	24.3	26.0	30.9	32.9	34.0	34.3	34.5	34.8	34.8	34.8	34.8
≥ 7000	2.2	9.0	12.9	16.7	20.3	24.3	26.2	31.0	33.1	34.2	34.5	34.7	35.0	35.0	35.0	35.0
≥ 6000	2.5	9.6	12.9	17.4	20.9	25.1	26.9	31.9	34.2	35.3	35.6	35.8	36.0	36.0	36.0	36.1
≥ 5000	2.8	11.0	14.4	19.4	23.4	27.8	29.7	35.1	37.4	38.6	38.9	39.1	39.4	39.4	39.4	39.5
≥ 4500	2.9	11.2	14.6	19.6	23.6	28.1	30.1	35.6	37.9	39.1	39.4	39.6	39.9	39.9	39.9	39.9
≥ 4000	4.2	13.4	17.2	23.1	27.5	32.5	34.7	40.6	42.9	44.4	44.7	44.9	45.2	45.2	45.2	45.3
≥ 3500	4.3	13.8	17.6	23.5	28.2	33.2	35.4	41.4	43.7	45.2	45.5	45.7	46.0	46.0	46.0	46.1
≥ 3000	4.8	15.3	20.2	26.9	32.5	38.1	40.4	46.9	49.6	51.2	51.6	51.8	52.1	52.1	52.1	52.2
≥ 2500	5.3	17.4	22.1	29.1	35.3	41.3	43.6	50.5	53.5	55.2	55.7	55.9	56.2	56.2	56.2	56.3
≥ 2000	6.3	19.9	25.1	32.6	40.0	46.9	49.4	57.2	60.5	62.2	62.7	62.9	63.2	63.2	63.2	63.3
≥ 1800	6.5	20.4	25.6	33.2	40.8	48.2	50.7	59.0	62.3	64.1	64.6	64.8	65.1	65.1	65.1	65.2
≥ 1500	7.2	21.7	27.3	35.6	43.7	51.4	54.1	63.3	66.8	68.9	69.5	69.6	70.1	70.1	70.1	70.2
≥ 1200	7.3	22.5	28.5	37.0	45.8	54.0	56.8	66.4	70.1	72.6	73.3	73.4	73.9	73.9	73.9	74.0
≥ 1000	7.5	23.5	30.3	39.0	48.6	57.5	60.7	71.4	75.5	78.4	79.4	79.8	80.1	80.1	80.1	80.2
≥ 900	7.5	23.5	30.3	39.1	49.0	58.1	61.3	72.4	76.5	79.4	80.4	80.8	81.1	81.1	81.1	81.2
≥ 800	7.6	23.7	30.5	39.9	50.2	59.9	63.2	73.3	79.6	82.7	83.7	84.2	84.5	84.5	84.5	84.6
≥ 700	7.6	23.9	30.9	40.6	51.2	61.2	64.6	77.6	82.1	85.8	86.8	87.2	87.6	87.6	87.6	87.6
≥ 600	7.6	23.9	30.9	41.0	51.8	62.1	65.9	79.5	84.4	88.1	89.5	90.0	90.2	90.4	90.4	90.5
≥ 500	7.6	23.9	30.9	41.2	52.3	63.1	67.2	82.0	87.3	91.3	92.9	93.4	93.8	93.9	93.9	94.0
≥ 400	7.6	23.9	30.9	41.2	52.5	63.6	67.7	83.1	88.5	92.9	94.5	95.2	95.7	95.8	95.9	96.0
≥ 300	7.6	23.9	31.0	41.3	52.5	63.7	67.9	83.7	89.8	94.7	96.4	97.0	97.4	97.6	97.7	97.8
≥ 200	7.6	23.9	31.0	41.3	52.5	63.7	67.9	83.9	89.8	94.7	96.4	97.0	97.6	98.1	98.3	98.4
≥ 100	7.6	23.9	31.0	41.3	52.5	63.7	67.9	83.9	89.8	94.7	96.4	97.0	97.6	98.2	98.4	98.6
≥ 0	7.6	23.9	31.0	41.3	52.5	63.7	67.9	83.9	89.8	94.8	96.7	97.0	98.6	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1487

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177
STATION

NURNBERG GERMANY
STATION NAME

55-7
YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0800-1100
LOCAL TIME

CEILING FEET.	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	>0
NO CEILING ≥ 20000	2.3	4.9	6.0	8.1	10.5	12.6	13.8	16.3	16.9	17.7	18.2	18.5	18.5	16.7	18.7	18.7
≥ 18000	2.5	7.1	9.6	13.0	16.5	19.2	20.6	23.9	25.1	26.2	27.0	27.2	27.2	27.4	27.4	27.4
≥ 16000	2.5	7.1	9.6	13.0	16.5	19.2	20.6	23.9	25.1	26.2	27.0	27.2	27.2	27.4	27.4	27.4
≥ 14000	2.5	7.2	9.7	13.1	16.6	19.3	20.7	23.9	25.2	26.3	27.0	27.2	27.2	27.5	27.5	27.5
≥ 12000	2.6	7.4	10.0	13.5	17.2	19.9	21.3	24.7	25.9	27.1	27.9	28.1	28.1	28.3	28.3	28.3
≥ 10000	2.8	8.5	11.4	15.8	20.1	23.2	24.7	29.5	29.5	30.8	31.6	31.8	31.8	32.0	32.0	32.0
≥ 9000	3.0	9.1	12.4	17.0	21.4	24.7	26.3	30.2	31.4	32.8	33.7	33.9	34.0	34.1	34.1	34.1
≥ 8000	3.2	9.6	13.0	17.8	22.6	26.1	27.7	31.7	33.3	34.7	35.6	35.8	35.9	36.0	36.0	36.0
≥ 7000	3.3	9.7	13.0	18.0	22.8	26.3	27.9	31.9	33.5	34.9	35.8	36.0	36.1	36.2	36.2	36.2
≥ 6000	3.5	9.9	13.3	19.3	23.5	27.0	28.7	32.7	34.3	35.6	36.5	36.8	36.8	37.0	37.0	37.0
≥ 5000	3.9	11.0	14.6	20.7	26.6	30.5	32.4	36.6	38.3	39.7	40.6	40.8	40.9	41.0	41.0	41.0
≥ 4500	3.9	11.1	14.9	20.9	26.8	30.7	32.7	36.9	38.5	40.0	40.8	41.1	41.2	41.3	41.3	41.3
≥ 4000	5.1	13.5	17.7	24.4	31.3	35.9	38.0	42.7	44.5	46.2	47.1	47.5	47.6	47.7	47.7	47.7
≥ 3500	5.2	13.7	17.9	24.9	32.0	36.9	39.1	43.8	45.6	47.3	48.2	48.6	48.7	48.8	48.8	48.8
≥ 3000	6.3	15.0	20.5	28.7	36.4	42.2	44.8	50.1	52.4	54.3	55.4	56.0	56.1	56.2	56.3	56.3
≥ 2500	7.0	17.5	22.2	30.8	39.0	45.2	47.9	53.5	56.3	58.2	59.4	59.9	60.0	60.2	60.2	60.2
≥ 2000	8.2	19.6	24.6	34.9	43.9	50.8	53.8	59.8	62.9	65.0	66.1	66.7	66.9	67.1	67.1	67.1
≥ 1800	8.2	19.6	24.9	35.4	44.5	51.5	54.5	60.6	63.9	66.1	67.2	67.8	68.0	68.2	68.2	68.2
≥ 1500	9.1	21.5	26.6	37.7	47.1	54.8	58.3	65.2	68.6	71.0	72.2	72.9	73.2	73.3	73.3	73.3
≥ 1200	9.3	22.0	27.7	38.7	48.4	56.5	60.2	67.6	71.2	73.8	75.1	75.7	76.0	76.2	76.2	76.2
≥ 1000	9.7	22.7	28.5	40.0	50.0	58.7	62.7	70.9	74.7	78.2	79.5	80.3	80.7	81.0	81.0	81.0
≥ 900	9.7	22.9	28.6	40.1	50.2	59.2	63.6	71.9	75.8	79.4	80.7	81.5	81.9	82.2	82.2	82.2
≥ 800	9.7	23.0	28.8	40.6	51.4	60.8	65.2	74.3	78.4	82.4	83.6	84.5	84.9	85.3	85.3	85.3
≥ 700	9.7	23.1	29.1	40.9	52.4	62.2	66.8	76.6	81.1	85.5	87.0	88.0	88.5	88.8	88.8	88.8
≥ 600	9.8	23.2	29.3	41.2	53.2	63.2	68.2	78.6	83.2	87.8	89.5	90.4	90.9	91.3	91.3	91.3
≥ 500	9.8	23.2	29.3	41.3	53.8	64.0	69.4	80.4	85.3	90.3	92.3	93.5	94.3	94.8	94.8	94.8
≥ 400	9.8	23.2	29.3	41.3	53.8	64.2	69.5	80.8	85.9	91.0	93.2	94.6	95.3	96.0	96.0	96.0
≥ 300	9.8	23.2	29.3	41.3	53.8	64.2	69.5	81.0	86.2	92.0	94.8	96.2	97.3	98.2	98.5	98.5
≥ 200	9.8	23.2	29.3	41.3	53.8	64.2	69.5	81.0	86.2	92.0	94.9	96.3	97.6	98.6	98.6	98.6
≥ 100	9.8	23.2	29.3	41.3	53.8	64.2	69.5	81.0	86.2	92.0	94.9	96.3	97.6	98.6	98.6	98.6
≥ 0	9.8	23.2	29.3	41.3	53.8	64.2	69.5	81.0	86.2	92.3	95.3	96.9	98.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1479

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

NURNBERG GERMANY/F.R.G.

55-70

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1222-140

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING ≥ 20000	3.2	7.4	9.1	11.8	13.4	14.4	15.0	15.9	16.3	16.8	17.0	17.1	17.0	17.0	17.0	17.0
IV 18000	4.7	13.2	16.0	20.4	23.4	24.7	25.4	26.6	27.2	27.9	28.1	28.1	28.1	28.1	28.1	28.1
IV 16000	4.7	13.2	16.1	20.5	23.5	24.8	25.5	26.7	27.4	28.1	28.3	28.3	28.3	28.3	28.3	28.3
IV 14000	4.7	13.2	16.1	20.5	23.5	24.9	25.6	26.8	27.5	28.2	28.4	28.4	28.4	28.4	28.4	28.4
IV 12000	4.9	13.6	16.6	21.3	24.3	25.8	26.4	27.7	28.3	29.0	29.2	29.2	29.2	29.2	29.2	29.2
IV 10000	6.4	16.2	19.5	24.1	27.6	29.2	30.0	31.3	32.0	32.7	32.9	32.9	32.9	32.9	32.9	32.9
IV 9000	6.8	17.2	20.8	25.9	30.0	31.6	32.5	34.1	35.0	35.7	35.9	35.9	35.9	35.9	35.9	35.9
IV 8000	7.4	18.3	21.9	27.4	31.8	33.5	34.5	36.4	37.2	38.1	38.3	38.3	38.3	38.3	38.3	38.3
IV 7000	7.4	18.3	22.0	27.6	32.0	33.7	34.7	36.7	37.6	38.4	38.6	38.6	38.6	38.6	38.6	38.6
IV 6000	7.6	18.7	22.5	28.1	32.8	34.3	35.3	37.5	38.3	39.1	39.4	39.4	39.4	39.4	39.4	39.4
IV 5000	8.3	19.9	24.2	30.5	35.4	37.6	38.5	40.8	41.7	42.5	42.8	42.8	42.8	42.8	42.8	42.8
IV 4500	8.4	20.2	24.5	30.8	35.8	37.9	38.9	41.1	42.1	42.9	43.1	43.1	43.1	43.1	43.1	43.1
IV 4000	9.3	22.2	26.9	33.5	38.7	40.9	41.9	44.3	45.3	46.1	46.4	46.4	46.4	46.4	46.4	46.4
IV 3500	9.4	22.5	27.5	34.2	39.6	41.8	42.8	45.2	46.2	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 3000	11.9	27.4	33.3	41.0	47.1	49.4	50.4	53.1	54.5	55.4	55.7	55.7	55.7	55.7	55.7	55.7
IV 2500	14.1	30.6	36.7	45.0	51.6	54.3	55.4	58.4	59.9	61.1	61.7	61.7	61.7	61.7	61.7	61.7
IV 2000	16.5	34.1	40.8	49.8	56.7	59.8	61.3	64.8	66.6	67.7	68.5	68.5	68.5	68.5	68.5	68.5
IV 1800	16.8	34.4	41.2	50.3	57.3	60.6	62.1	65.8	67.7	68.8	69.7	69.7	69.7	69.7	69.7	69.7
IV 1500	18.2	36.7	43.8	53.4	61.1	64.8	66.5	71.1	73.2	74.7	75.3	75.3	75.3	75.3	75.3	75.3
IV 1200	18.3	37.1	44.6	54.6	63.0	67.1	69.2	74.1	76.4	78.0	78.7	78.7	78.7	78.7	78.7	78.7
IV 1000	18.5	37.5	45.4	56.3	65.8	70.5	72.5	78.4	80.8	82.6	83.7	83.7	83.7	83.7	83.7	83.7
IV 900	18.5	37.5	45.4	56.3	66.3	71.2	73.3	79.3	81.7	83.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 800	18.5	37.5	45.9	57.6	68.0	73.4	75.6	82.0	84.3	86.4	87.5	87.5	87.5	87.5	87.5	87.5
IV 700	18.6	37.7	46.2	58.2	69.7	75.5	78.2	85.0	87.8	89.8	91.1	91.1	91.1	91.1	91.1	91.1
IV 600	18.6	37.8	46.5	58.9	70.9	76.9	79.6	87.1	90.0	92.2	93.6	94.2	94.2	94.2	94.2	94.2
IV 500	18.6	37.8	46.5	58.9	71.2	77.6	80.5	88.8	91.9	94.4	95.9	96.6	97.2	97.2	97.2	97.2
IV 400	18.6	37.8	46.5	59.0	71.3	77.8	80.7	89.4	92.6	95.1	96.7	97.4	98.2	98.2	98.2	98.2
IV 300	18.6	37.8	46.6	59.1	71.4	77.8	80.7	89.5	92.6	95.3	97.0	97.8	98.9	99.0	99.0	99.0
IV 200	18.6	37.8	46.6	59.1	71.4	77.8	80.7	89.5	92.6	95.3	97.0	97.8	98.9	99.0	99.0	99.0
IV 100	18.6	37.8	46.6	59.1	71.4	77.8	80.7	89.5	92.6	95.3	97.0	97.8	98.9	99.0	99.0	99.0
IV 0	18.6	37.8	46.6	59.1	71.4	77.8	80.7	89.5	92.6	95.3	97.2	98.2	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1479

DATA PROCESSING INSTRUCTIONS
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34177 NURNEEG GER-1 Y/F AT-

55-71

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/5	≥ 1/10	≥ 0
NO CEILING	3.5	8.4	10.8	13.4	15.0	16.8	17.7	19.5	19.8	20.3	20.3	20.3	20.3	20.3	20.3	20.3
≥ 20000	4.4	12.2	15.2	19.8	22.6	25.2	26.4	28.7	29.1	29.8	29.8	29.8	29.8	29.8	29.8	29.8
IV 18000	4.6	12.2	15.2	19.8	22.6	25.2	26.4	28.7	29.1	29.8	29.8	29.8	29.8	29.8	29.8	29.8
IV 16000	4.6	12.2	15.2	19.8	22.6	25.4	26.6	28.9	29.3	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 14000	4.7	12.3	15.3	19.8	22.7	25.5	26.7	29.0	29.4	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 12000	4.7	12.6	15.7	20.4	23.4	26.3	27.6	30.0	30.4	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IV 10000	5.3	14.2	17.8	23.3	27.1	30.2	31.4	34.4	34.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9
IV 9000	5.5	15.0	19.0	25.0	29.4	32.9	34.2	37.4	37.9	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 8000	5.9	15.5	19.5	25.7	30.5	34.3	35.6	39.1	39.6	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 7000	5.9	15.6	19.7	25.9	30.7	34.5	35.8	39.5	39.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 6000	6.2	16.3	20.6	26.9	31.8	35.6	36.9	40.8	41.2	42.0	42.2	42.2	42.2	42.2	42.2	42.2
IV 5000	7.0	17.3	21.9	28.7	34.1	38.1	39.6	43.8	44.3	45.1	45.3	45.4	45.4	45.4	45.4	45.4
IV 4500	7.1	17.5	22.1	28.9	34.3	38.5	40.0	44.2	44.7	45.5	45.7	45.8	45.8	45.8	45.8	45.8
IV 4000	8.6	20.2	25.2	32.9	38.8	43.0	44.5	48.9	49.6	50.5	50.8	50.9	50.9	50.9	50.9	50.9
IV 3500	8.7	20.6	25.8	33.7	39.6	43.9	45.5	49.9	50.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8
IV 3000	10.4	24.8	31.0	39.9	46.6	51.8	53.5	58.0	58.9	59.9	60.1	60.2	60.3	60.3	60.3	60.3
IV 2500	11.7	27.6	34.0	43.9	51.1	56.5	58.4	63.0	64.1	65.2	65.5	65.6	65.7	65.7	65.7	65.7
IV 2000	12.5	29.6	36.7	48.0	55.8	61.5	63.5	68.5	69.7	71.1	71.4	71.5	71.6	71.6	71.6	71.6
IV 1800	12.6	29.7	37.0	48.7	56.7	62.6	64.7	70.0	71.2	72.5	72.9	73.1	73.1	73.1	73.1	73.1
IV 1500	12.9	30.4	37.7	49.7	58.6	65.4	67.5	73.3	74.7	76.2	76.7	76.9	77.1	77.1	77.1	77.1
IV 1200	13.1	30.8	38.5	50.9	60.8	68.0	70.4	76.7	78.4	80.1	80.6	80.8	81.0	81.0	81.0	81.0
IV 1000	13.3	31.5	39.7	52.8	63.7	71.7	74.2	81.4	83.5	85.4	86.0	86.4	86.6	86.6	86.6	86.6
IV 900	13.4	31.6	39.9	53.1	64.1	72.2	74.7	82.1	84.3	86.2	87.0	87.3	87.5	87.5	87.5	87.5
IV 800	13.4	31.7	40.1	54.0	65.5	74.0	76.7	85.4	87.7	89.3	90.8	91.2	91.4	91.4	91.4	91.4
IV 700	13.4	31.7	40.2	54.3	66.5	75.3	78.1	87.1	89.6	91.2	92.6	93.3	93.5	93.5	93.5	93.5
IV 600	13.4	31.8	40.4	54.6	67.1	76.2	79.3	88.7	91.3	93.7	94.9	95.3	95.5	95.5	95.5	95.5
IV 500	13.4	31.8	40.4	54.7	67.2	76.5	79.6	89.5	92.6	95.3	96.6	97.2	97.4	97.4	97.4	97.4
IV 400	13.4	31.8	40.4	54.7	67.3	76.6	79.7	89.5	92.7	95.3	96.8	97.4	97.6	97.6	97.6	97.6
IV 300	13.4	31.8	40.5	54.8	67.3	76.7	79.8	89.7	92.9	95.9	97.1	97.7	98.2	98.4	98.5	98.5
IV 200	13.4	31.8	40.5	54.8	67.3	76.7	79.8	89.7	93.0	96.0	97.2	97.8	98.3	98.7	98.8	98.8
IV 100	13.4	31.8	40.5	54.8	67.3	76.7	79.8	89.7	93.0	96.0	97.2	97.8	98.3	98.7	98.8	98.8
IV 0	13.4	31.8	40.5	54.8	67.3	76.7	79.8	89.7	93.0	96.2	97.5	98.1	98.8	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1482

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34177
STATION

NURNBERG GERMANY/FORTH
STATION NAME

55-7
EAST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1468
TOTAL NUMBER OF OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	2.1	8.2	11.4	15.1	18.3	19.7	20.0	22.6	23.1	24.1	24.4	24.4	24.5	24.5	24.5	24.5
≥ 20000	2.5	9.2	13.5	18.3	22.4	24.3	24.7	28.7	28.8	32.0	30.2	30.2	30.3	30.4	30.4	30.4
≥ 18000	2.5	9.2	13.5	18.3	22.4	24.3	24.7	28.7	28.8	32.0	30.2	30.2	30.3	30.4	30.4	30.4
≥ 16000	2.5	9.2	13.5	18.3	22.4	24.3	24.7	28.7	28.8	32.0	30.2	30.2	30.3	30.4	30.4	30.4
≥ 14000	2.5	9.2	13.6	18.3	22.4	24.4	24.8	28.1	28.9	30.1	30.4	30.4	30.4	30.5	30.5	30.5
≥ 12000	2.5	9.9	13.6	18.7	23.1	25.1	25.6	28.9	29.7	30.9	31.2	31.2	31.3	31.3	31.3	31.4
≥ 10000	2.8	11.7	16.1	22.0	27.1	29.4	30.0	33.5	34.5	35.8	36.0	36.0	36.1	36.2	36.2	36.2
≥ 9000	3.2	13.1	17.8	24.9	29.8	32.5	33.1	36.8	38.2	39.5	39.9	39.9	39.9	40.0	40.0	40.1
≥ 8000	3.3	13.2	18.1	24.6	30.0	33.2	33.8	37.9	39.2	40.5	40.9	40.9	40.9	41.0	41.0	41.1
≥ 7000	3.3	13.2	18.2	24.7	30.2	33.4	34.0	38.1	39.4	40.7	41.1	41.1	41.1	41.2	41.2	41.3
≥ 6000	3.6	14.3	19.1	25.7	31.3	34.6	35.2	39.5	40.9	42.1	42.5	42.5	42.5	42.6	42.6	42.7
≥ 5000	4.2	15.4	21.1	28.0	34.3	38.0	38.7	43.3	44.6	45.9	46.2	46.2	46.3	46.4	46.4	46.4
≥ 4500	4.4	15.7	21.6	28.6	35.0	38.7	39.4	44.0	45.3	46.6	47.0	47.0	47.0	47.1	47.1	47.2
≥ 4000	4.9	17.7	23.9	31.7	38.6	42.9	43.8	48.9	50.3	51.6	51.9	51.9	52.0	52.1	52.1	52.2
≥ 3500	5.1	18.2	24.9	32.9	40.1	44.6	45.3	50.7	52.2	53.5	53.8	53.8	53.9	54.0	54.0	54.0
≥ 3000	6.0	21.5	29.0	37.7	45.4	50.3	51.3	57.1	58.6	60.1	60.4	60.4	60.5	60.6	60.6	60.7
≥ 2500	6.6	23.2	30.9	40.7	48.3	54.2	55.2	61.2	63.0	64.5	64.9	64.9	64.9	65.1	65.1	65.1
≥ 2000	7.0	24.6	33.1	43.8	52.7	58.7	59.8	66.4	68.3	70.0	70.4	70.4	70.4	70.6	70.6	70.6
≥ 1800	7.4	25.2	33.7	44.6	53.8	60.4	61.5	68.3	70.3	72.0	72.5	72.5	72.6	72.7	72.7	72.8
≥ 1500	7.5	25.9	35.1	46.7	56.5	63.8	65.0	72.6	74.8	76.7	77.2	77.2	77.3	77.4	77.4	77.5
≥ 1200	7.9	26.7	36.1	48.3	58.4	66.7	68.1	76.2	78.8	80.7	81.2	81.2	81.3	81.5	81.5	81.5
≥ 1000	8.1	27.2	36.8	49.5	60.8	69.7	71.2	80.4	83.5	85.9	86.5	86.5	86.7	86.8	86.8	86.9
≥ 900	8.1	27.2	36.8	49.5	60.8	69.7	71.2	80.4	83.5	85.9	86.5	86.5	86.7	86.8	86.8	86.9
≥ 800	8.1	27.5	37.2	50.9	62.5	71.7	73.2	83.3	86.6	89.5	90.2	90.2	90.4	90.5	90.5	90.6
≥ 700	8.1	27.5	37.5	51.2	63.0	72.6	74.2	84.6	88.2	91.2	91.9	92.0	92.1	92.3	92.3	92.3
≥ 600	8.1	27.5	37.5	51.3	63.2	73.1	74.7	85.1	89.4	92.6	93.3	93.4	93.5	93.7	93.7	93.8
≥ 500	8.1	27.5	37.5	51.5	63.6	74.0	75.7	87.3	91.5	95.0	96.0	96.0	96.2	96.3	96.4	96.4
≥ 400	8.1	27.5	37.5	51.5	63.6	74.1	75.8	87.6	92.0	95.5	96.5	96.6	96.7	96.8	96.9	97.0
≥ 300	8.1	27.5	37.5	51.5	63.6	74.1	75.8	88.2	92.6	96.3	97.3	97.4	97.6	97.8	97.9	98.0
≥ 200	8.1	27.5	37.5	51.5	63.7	74.1	75.9	88.4	92.9	96.6	97.6	97.8	98.0	98.2	98.3	98.3
≥ 100	8.1	27.5	37.5	51.5	63.7	74.1	75.9	88.4	92.9	96.7	97.7	97.8	98.1	98.3	98.3	98.4
≥ 0	8.1	27.5	37.5	51.5	63.7	74.2	75.9	88.5	93.2	97.3	98.4	96.5	98.9	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1468

DATA PROCESSING 1-151
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

36177 NURNBERG GERMANY/FORTH

55-71

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.5	10.2	11.9	16.5	19.0	20.8	21.3	23.7	24.3	25.4	25.5	25.5	25.5	25.5	25.7	25.8
≥ 20000	3.2	11.7	13.7	18.7	21.9	24.4	25.2	28.0	29.1	30.2	30.4	30.4	30.4	30.4	30.5	30.5
≥ 18000	3.2	11.7	13.7	18.7	21.9	24.4	25.2	28.0	29.1	30.2	30.4	30.4	30.4	30.4	30.5	30.5
≥ 16000	3.2	11.7	13.7	18.7	21.9	24.4	25.2	28.0	29.1	30.2	30.4	30.4	30.4	30.4	30.5	30.5
≥ 14000	3.2	12.0	13.9	19.0	22.2	24.7	25.5	28.4	29.4	30.5	30.7	30.7	30.7	30.7	30.8	30.9
≥ 12000	3.2	12.0	13.9	19.2	22.6	25.2	26.0	28.9	29.9	31.1	31.3	31.3	31.3	31.3	31.3	31.4
≥ 10000	3.6	13.4	15.1	22.7	26.7	29.5	30.3	33.3	34.4	35.6	35.8	35.8	35.8	35.8	35.8	35.9
≥ 9000	4.2	14.7	17.5	24.3	28.6	31.7	32.6	36.1	37.5	38.6	38.8	38.8	38.8	38.8	38.9	39.0
≥ 8000	4.2	15.0	17.8	24.8	29.2	32.4	33.4	37.1	38.4	39.5	39.7	39.7	39.7	39.7	39.8	39.9
≥ 7000	4.3	15.2	18.2	25.2	29.6	32.9	33.9	37.5	38.9	40.0	40.2	40.2	40.2	40.2	40.3	40.4
≥ 6000	4.5	15.6	18.8	26.0	30.5	33.8	34.8	38.5	39.8	41.0	41.2	41.2	41.2	41.2	41.2	41.3
≥ 5000	5.1	17.7	21.0	28.5	33.5	37.0	38.0	41.8	43.0	44.2	44.4	44.4	44.4	44.4	44.5	44.6
≥ 4500	5.3	18.0	21.5	29.1	34.0	37.5	38.5	42.2	43.6	44.8	45.0	45.0	45.0	45.0	45.1	45.1
≥ 4000	6.1	20.4	24.9	33.9	39.7	43.5	44.8	48.7	50.3	51.4	51.6	51.6	51.6	51.6	51.7	51.8
≥ 3500	6.3	21.3	25.4	34.5	40.3	44.1	45.4	49.6	51.2	52.4	52.6	52.6	52.6	52.6	52.7	52.7
≥ 3000	8.1	24.7	29.9	39.4	46.8	50.2	51.6	56.4	58.4	59.7	59.9	59.9	59.9	59.9	59.9	60.0
≥ 2500	8.5	26.4	32.3	42.6	49.5	54.1	55.5	61.1	63.3	64.5	64.7	64.7	64.7	64.7	64.8	64.8
≥ 2000	8.9	28.0	34.4	45.7	53.4	58.5	60.0	66.2	68.5	69.8	70.0	70.0	70.0	70.0	70.1	70.1
≥ 1800	9.1	28.9	35.6	47.1	55.0	60.2	61.8	68.5	70.8	72.2	72.4	72.4	72.4	72.4	72.4	72.5
≥ 1500	9.3	29.7	36.9	49.0	57.4	63.1	65.0	72.2	74.8	76.3	76.5	76.5	76.5	76.5	76.5	76.6
≥ 1200	9.4	30.1	37.7	50.6	59.2	65.2	67.1	75.2	77.9	79.6	79.8	79.8	79.8	79.8	79.8	79.9
≥ 1000	9.4	30.7	38.9	52.6	61.8	68.3	70.3	79.8	83.0	85.2	85.4	85.4	85.4	85.4	85.5	85.6
≥ 900	9.4	31.0	39.3	53.3	62.7	69.4	71.4	81.1	84.3	86.6	86.8	86.8	86.8	86.8	86.9	87.0
≥ 800	9.5	31.2	39.7	53.7	63.3	70.3	72.5	82.9	86.2	88.7	88.9	88.9	88.9	88.9	89.0	89.1
≥ 700	9.5	31.2	40.0	54.6	64.4	71.8	74.0	84.4	88.1	90.8	91.0	91.1	91.1	91.1	91.2	91.3
≥ 600	9.5	31.2	40.1	54.7	64.6	72.4	74.6	85.6	89.4	92.2	92.5	92.5	92.5	92.5	92.7	92.7
≥ 500	9.5	31.2	40.1	54.7	65.2	73.2	75.4	87.0	91.1	94.1	94.3	94.3	94.3	94.3	94.5	94.5
≥ 400	9.5	31.2	40.1	54.7	65.2	73.4	75.6	87.8	92.3	95.6	95.9	96.0	96.1	96.1	96.3	96.4
≥ 300	9.5	31.2	40.1	54.7	65.2	73.4	75.7	88.5	93.1	96.5	97.0	97.0	97.2	97.2	97.4	97.5
≥ 200	9.5	31.2	40.1	54.7	65.2	73.4	75.7	88.8	93.5	97.2	97.6	97.6	97.8	97.8	98.0	98.1
≥ 100	9.5	31.2	40.1	54.7	65.2	73.4	75.7	88.8	93.5	97.2	97.8	97.9	98.0	98.0	98.2	98.4
≥ 0	9.5	31.2	40.1	54.7	65.2	73.4	75.7	88.8	93.5	97.2	98.0	98.2	98.4	98.4	98.6	98.7

TOTAL NUMBER OF OBSERVATIONS 1457

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORTH

55-77

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	3.4	12.1	13.8	17.8	19.3	21.8	22.5	26.3	27.8	28.1	28.5	28.9	29.2	27.2	29.3	29.7
≥ 20000	3.4	14.1	16.3	21.1	23.0	25.8	26.7	31.3	33.1	33.8	34.2	34.6	34.9	34.9	35.5	35.6
≥ 18000	3.8	14.1	16.3	21.1	23.0	25.8	26.7	31.3	33.1	33.8	34.2	34.6	34.9	34.9	35.5	35.6
IV 16000	3.8	14.1	16.3	21.1	23.0	25.8	26.7	31.3	33.1	33.8	34.2	34.6	34.9	34.9	35.5	35.6
IV 14000	3.8	14.1	16.3	21.1	23.0	25.8	26.7	31.3	33.1	33.8	34.2	34.6	34.9	34.9	35.5	35.6
IV 12000	3.8	14.1	16.3	21.1	23.0	25.8	26.7	31.3	33.1	33.8	34.2	34.6	34.9	34.9	35.5	35.6
IV 10000	4.4	16.5	18.8	23.9	26.1	29.1	30.0	34.9	38.9	37.6	38.0	38.4	38.7	38.8	38.8	39.2
IV 9000	4.9	17.9	20.4	25.7	28.1	31.5	32.3	37.2	39.4	40.0	40.5	40.8	41.1	41.2	41.2	41.7
IV 8000	5.0	18.5	21.1	26.6	29.2	32.6	33.5	38.6	40.7	41.5	41.8	42.4	42.7	42.8	42.8	43.2
IV 7000	5.2	19.1	21.6	27.3	30.0	33.4	34.3	39.4	41.5	42.3	42.8	43.2	43.5	43.6	43.6	44.1
IV 6000	5.3	21.0	23.6	29.5	32.3	35.7	36.6	41.9	44.0	44.8	45.2	45.7	46.0	46.1	46.2	46.5
IV 5000	6.4	23.3	26.2	32.3	35.2	38.6	39.5	45.1	47.2	48.1	48.5	49.0	49.3	49.3	49.4	49.8
IV 4500	6.6	24.1	27.3	33.3	36.3	40.0	40.9	46.6	48.7	49.6	50.0	50.4	50.7	50.8	50.9	51.3
IV 4000	8.3	27.7	31.4	38.3	41.5	45.6	46.5	52.7	54.7	55.6	56.1	56.5	56.8	56.9	57.1	57.5
IV 3500	8.8	29.5	33.2	40.5	43.9	48.0	48.9	55.1	57.2	58.1	58.5	58.9	59.2	59.4	59.5	59.9
IV 3000	9.3	32.2	36.3	44.2	48.2	52.4	53.4	60.1	62.2	63.1	63.5	64.1	64.3	64.4	64.5	64.9
IV 2500	9.7	34.3	38.4	46.7	50.9	55.5	56.4	63.4	65.6	66.7	67.1	67.6	67.9	68.0	68.2	68.5
IV 2000	10.1	35.5	40.0	48.7	53.1	58.1	59.4	67.3	69.4	70.9	71.4	71.9	72.2	72.3	72.5	72.8
IV 1800	10.2	36.1	40.8	49.7	54.2	59.5	60.7	69.1	71.3	72.7	73.3	73.7	74.0	74.2	74.3	74.7
IV 1500	10.6	37.6	42.5	52.1	56.9	62.3	64.1	73.3	76.1	77.7	78.4	78.9	79.4	79.5	79.7	80.1
IV 1200	10.6	38.3	43.7	53.8	58.7	65.0	66.2	76.1	79.0	80.6	81.4	81.9	82.3	82.5	82.6	83.0
IV 1000	10.7	39.4	45.2	56.2	61.3	68.3	69.9	80.6	83.6	85.5	86.3	86.7	87.2	87.4	87.5	87.9
IV 900	10.7	39.5	45.4	56.5	61.6	69.1	70.8	81.8	84.8	86.7	87.4	87.9	88.4	88.6	88.7	89.1
IV 800	10.7	39.8	45.7	57.0	62.4	69.9	71.7	82.8	85.8	87.7	88.5	89.0	89.4	89.6	89.7	90.1
IV 700	10.7	40.0	46.0	57.6	63.0	70.8	72.7	84.3	87.3	89.2	90.0	90.5	91.0	91.2	91.3	91.7
IV 600	10.7	40.1	46.2	57.8	63.5	71.4	73.4	85.4	88.4	90.3	91.1	91.6	92.1	92.3	92.4	92.8
IV 500	10.7	40.1	46.2	58.0	64.0	71.9	73.9	86.6	89.6	91.5	92.3	92.8	93.3	93.5	93.6	94.0
IV 400	10.7	40.1	46.2	58.1	64.0	72.0	74.1	87.2	90.2	92.1	92.9	93.4	93.9	94.1	94.2	94.6
IV 300	10.7	40.1	46.2	58.1	64.0	72.0	74.1	87.3	90.3	92.2	93.0	93.5	94.0	94.2	94.3	94.7
IV 200	10.7	40.1	46.2	58.1	64.0	72.0	74.1	87.3	90.3	92.2	93.0	93.5	94.0	94.2	94.3	94.7
IV 100	10.7	40.1	46.2	58.1	64.0	72.0	74.1	87.3	90.3	92.2	93.0	93.5	94.0	94.2	94.3	94.7
IV 0	10.7	40.1	46.2	58.1	64.0	72.0	74.1	87.3	90.3	92.2	93.0	93.5	94.0	94.2	94.3	94.7

TOTAL NUMBER OF OBSERVATIONS 1354

DATA PROCESSING DIVISION
USAF ETAC
43R WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 LUBBERS GERMANY/E RT-

55-75

55-75

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

122-0506

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	3.5	11.1	15.5	16.5	16.3	20.2	21.1	24.2	25.4	26.5	26.5	26.5	27.1	27.1	27.1	27.5
≥ 18000	3.5	12.4	15.5	19.4	21.5	24.1	24.9	28.2	29.4	30.3	30.7	30.8	31.1	31.2	31.2	31.4
IV 16000	3.5	12.5	15.6	19.4	21.6	24.2	25.0	28.2	29.3	30.4	30.6	30.9	31.2	31.3	31.3	31.5
IV 14000	3.8	12.7	15.8	19.7	21.8	24.4	25.2	28.5	29.7	30.6	31.0	31.1	31.4	31.5	31.5	31.7
IV 12000	3.8	13.1	16.3	20.1	22.3	25.0	25.8	29.2	30.4	31.2	31.8	31.9	32.2	32.2	32.2	32.4
IV 10000	4.5	14.6	18.1	22.2	24.7	27.5	28.4	32.2	33.6	34.6	35.0	35.2	35.6	35.6	35.6	35.8
IV 9000	4.8	15.1	18.6	22.8	25.4	28.5	29.3	33.3	35.0	36.1	36.5	36.7	37.0	37.1	37.1	37.3
IV 8000	5.0	15.7	19.5	23.5	26.4	29.4	30.3	34.5	36.5	37.7	38.2	38.5	38.8	39.0	39.1	39.1
IV 7000	5.3	15.9	19.7	23.9	26.5	29.6	30.5	34.7	36.7	37.8	38.4	38.7	39.0	39.1	39.1	39.3
IV 6000	5.8	17.0	20.9	25.2	27.9	30.9	31.9	36.1	38.4	39.8	40.1	40.4	40.7	40.7	40.7	40.9
IV 5000	7.5	20.5	24.6	29.0	31.9	35.1	36.1	40.4	42.6	43.8	44.3	44.6	44.9	44.9	44.9	45.2
IV 4500	7.5	20.5	25.1	29.5	32.4	35.8	36.5	41.3	43.5	44.7	45.2	45.5	45.8	45.8	45.8	46.1
IV 4000	9.6	25.1	30.1	35.2	38.3	41.5	42.9	47.7	50.1	51.4	52.0	52.3	52.5	52.6	52.6	52.8
IV 3500	10.1	25.8	31.0	36.2	39.6	43.4	44.4	49.3	51.7	53.0	53.5	53.8	54.1	54.2	54.2	54.4
IV 3000	11.8	30.1	35.6	41.8	45.6	49.6	50.6	56.2	58.6	59.9	60.5	60.8	61.0	61.1	61.1	61.3
IV 2500	12.1	31.6	37.9	44.3	48.4	52.8	53.8	59.9	62.7	64.0	64.5	64.8	65.1	65.2	65.2	65.4
IV 2000	12.4	33.2	40.1	46.9	51.1	56.2	57.3	64.0	66.8	68.1	68.7	69.0	69.3	69.3	69.3	69.5
IV 1800	12.5	33.6	40.5	47.6	52.1	57.4	58.5	65.3	68.1	69.5	70.1	70.4	70.7	70.7	70.7	71.0
IV 1500	13.2	35.8	43.2	51.0	55.6	61.5	62.7	70.1	73.2	74.9	75.5	75.8	76.1	76.1	76.1	76.3
IV 1200	13.5	36.8	44.6	53.0	57.6	63.7	65.0	73.5	76.6	78.6	79.2	79.5	79.7	80.0	80.0	80.3
IV 1000	13.5	37.3	45.0	54.7	59.6	66.5	68.1	77.5	81.2	83.2	84.0	84.3	84.6	84.9	84.9	85.2
IV 900	13.5	37.8	46.1	55.0	59.9	67.0	68.7	78.1	81.9	84.0	84.8	85.1	85.4	85.7	85.7	86.0
IV 800	13.5	38.4	46.8	55.7	60.8	68.2	70.0	79.7	84.0	86.4	87.2	87.5	87.8	88.1	88.1	88.4
IV 700	13.5	38.4	47.0	56.1	61.3	69.1	71.0	81.3	85.6	88.1	88.9	89.2	89.5	89.8	89.8	90.1
IV 600	13.5	38.4	47.1	56.4	62.0	70.1	71.9	83.0	87.5	90.2	91.1	91.4	91.7	92.0	92.0	92.3
IV 500	13.5	38.4	47.2	56.5	62.4	70.7	72.5	84.3	89.1	91.9	92.8	93.2	93.5	93.8	93.8	94.1
IV 400	13.5	38.4	47.2	56.5	62.4	70.7	72.7	84.7	89.6	92.7	93.6	93.9	94.2	94.5	94.5	94.8
IV 300	13.5	38.4	47.2	56.5	62.4	70.7	72.7	85.2	90.3	93.6	94.4	94.8	95.2	95.5	95.5	95.8
IV 200	13.5	38.4	47.2	56.5	62.4	70.7	72.7	85.2	90.3	93.6	94.4	94.8	95.2	95.5	95.5	95.8
IV 100	13.5	38.4	47.2	56.5	62.4	70.7	72.7	85.3	90.4	93.7	94.8	95.3	95.6	95.9	95.9	96.2
IV 0	13.5	38.4	47.2	56.5	62.4	70.7	72.7	85.3	90.4	93.8	94.9	95.3	96.3	97.3	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1353

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/40

CEILING VERSUS VISIBILITY

34177 VORNOB23 GERM Y/F.ETH

55-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

040-000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	2.4	6.7	7.9	10.1	13.0	14.7	15.2	16.5	20.1	21.4	22.1	22.2	22.4	22.5	22.6	22.7
≥ 20000	2.7	7.5	9.7	12.6	15.9	15.3	19.1	23.5	24.9	26.6	27.5	27.7	28.0	28.1	28.3	28.4
IV 18000	2.7	7.5	9.7	12.7	16.0	18.4	19.2	23.5	25.0	26.6	27.5	27.8	28.1	28.2	28.3	28.5
IV 16000	2.7	7.5	9.7	12.7	16.0	18.4	19.2	23.5	25.0	26.6	27.5	27.8	28.1	28.2	28.3	28.5
IV 14000	2.8	7.5	9.8	12.7	16.1	18.6	19.5	23.8	25.3	26.9	27.8	28.1	28.3	28.5	28.6	28.8
IV 12000	3.1	8.1	10.3	13.4	17.1	19.7	20.6	25.3	26.8	28.1	29.0	29.2	29.5	29.7	29.8	30.0
IV 10000	3.2	9.2	11.8	15.6	20.2	23.8	24.7	29.6	31.3	33.2	34.1	34.4	34.7	34.9	35.0	35.2
IV 9000	3.5	10.0	13.0	16.9	21.9	25.9	26.9	32.0	33.8	35.7	36.7	37.0	37.3	37.5	37.6	37.7
IV 8000	3.8	10.5	13.8	18.0	23.2	27.4	28.5	33.6	35.6	37.5	38.7	39.1	39.4	39.5	39.7	39.8
IV 7000	3.8	10.9	13.8	18.1	23.3	27.5	28.6	33.7	35.8	37.7	38.9	39.3	39.6	39.7	39.9	40.0
IV 6000	4.4	11.5	14.5	18.7	24.1	28.4	29.5	34.7	36.9	38.9	40.1	40.5	40.8	40.9	41.1	41.2
IV 5000	5.0	13.2	16.4	20.9	26.6	31.2	32.4	37.9	40.3	42.6	43.7	44.2	44.5	44.6	44.8	44.9
IV 4500	5.0	13.2	16.4	20.9	26.7	31.2	32.6	38.2	40.6	42.9	44.0	44.5	44.8	44.9	45.1	45.2
IV 4000	6.6	16.4	20.1	25.6	32.3	37.7	39.1	42.2	47.7	50.2	51.4	51.9	52.2	52.3	52.5	52.6
IV 3500	7.3	17.0	20.9	26.4	32.3	38.7	40.2	46.4	49.1	51.6	52.8	53.3	53.6	53.7	53.9	54.0
IV 3000	8.2	19.8	24.3	30.2	37.7	43.4	45.2	51.9	54.6	57.2	58.4	59.0	59.3	59.4	59.6	59.7
IV 2500	8.9	21.2	26.1	32.6	40.6	46.6	48.4	55.4	58.3	61.0	62.3	62.9	63.2	63.4	63.5	63.7
IV 2000	10.0	23.6	28.9	35.5	44.3	50.6	52.5	60.3	63.4	66.3	67.7	68.4	68.7	69.0	69.1	69.3
IV 1800	10.1	24.0	29.2	36.3	44.9	51.2	53.2	61.1	64.2	67.1	68.5	69.1	69.4	69.7	69.9	70.0
IV 1500	10.7	25.2	30.8	38.3	47.4	54.3	56.3	64.7	68.0	71.4	73.0	73.6	74.1	74.4	74.5	74.7
IV 1200	10.7	25.7	31.5	39.5	49.1	56.2	58.3	67.0	71.5	75.0	76.6	77.4	78.1	78.4	78.5	78.7
IV 1000	10.9	26.1	32.1	40.9	51.2	59.2	61.8	72.0	76.2	80.2	82.2	83.0	83.9	84.2	84.3	84.5
IV 900	10.9	26.3	32.0	41.2	51.5	59.5	62.1	72.4	76.6	80.7	82.6	83.5	84.3	84.8	84.9	85.1
IV 800	10.9	26.7	32.9	42.3	53.0	61.2	64.0	74.5	79.1	83.6	85.7	86.7	87.6	88.0	88.2	88.3
IV 700	10.9	26.7	32.9	42.3	53.1	61.3	64.7	75.4	80.4	85.0	87.3	88.2	89.1	89.6	89.7	89.9
IV 600	10.9	26.8	33.0	42.6	53.4	62.4	65.5	77.1	82.3	87.3	89.8	90.7	91.6	92.1	92.2	92.4
IV 500	10.9	26.9	33.1	42.6	53.6	62.8	66.0	77.9	83.4	88.6	91.1	92.2	93.1	93.6	93.7	93.9
IV 400	10.9	26.9	33.1	42.8	53.9	63.1	66.4	78.7	84.2	89.3	91.9	93.0	94.1	94.7	94.8	95.0
IV 300	10.9	26.9	33.1	42.8	54.0	63.2	66.5	78.9	84.5	89.7	92.4	93.6	94.7	95.3	95.6	95.8
IV 200	10.9	26.9	33.1	42.8	54.0	63.2	66.5	78.9	84.5	89.7	92.4	93.6	94.7	95.3	95.6	95.8
IV 100	10.9	26.9	33.1	42.8	54.0	63.2	66.5	78.9	84.5	89.7	92.4	93.6	94.7	95.3	95.6	95.8
IV 0	10.9	26.9	33.1	42.8	54.0	63.2	66.5	78.9	84.5	89.7	92.4	93.6	94.7	95.3	95.6	95.8

TOTAL NUMBER OF OBSERVATIONS 1331

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FA 8TH

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	4.2	5.3	10.7	13.1	14.9	16.1	16.6	18.4	18.6	21.4	21.7	22.0	22.7	22.7	22.7	22.7
≥ 20000	5.5	12.4	16.1	19.6	22.5	24.4	25.2	27.6	28.3	32.3	31.2	32.1	32.1	32.1	32.1	32.2
≥ 18000	5.5	12.4	16.1	19.6	22.5	24.4	25.3	27.6	28.3	32.3	31.2	32.1	32.1	32.1	32.1	32.2
≥ 16000	5.5	12.4	16.2	19.6	22.6	24.4	25.4	27.7	28.4	32.3	31.4	32.2	32.2	32.2	32.2	32.2
≥ 14000	5.5	12.4	16.2	19.6	22.7	24.6	25.7	28.0	28.7	32.6	31.7	32.3	32.5	32.5	32.5	32.6
≥ 12000	5.8	12.6	16.7	20.4	23.5	25.5	26.5	28.9	29.7	31.6	32.6	33.2	33.6	33.6	33.6	33.7
≥ 10000	6.3	14.1	18.4	22.7	26.3	28.5	29.7	32.3	33.1	35.1	36.4	37.1	37.4	37.4	37.4	37.5
≥ 9000	6.9	15.0	19.6	24.1	28.1	30.6	31.6	34.8	35.8	37.8	39.2	39.9	40.2	40.2	40.2	40.3
≥ 8000	7.4	15.9	20.5	25.5	29.9	32.3	33.5	37.0	38.2	40.4	42.1	42.9	43.2	43.2	43.2	43.2
≥ 7000	7.4	15.9	20.5	25.5	30.0	32.7	34.1	37.2	38.3	40.5	42.4	43.1	43.4	43.4	43.4	43.5
≥ 6000	7.5	16.1	20.9	26.1	30.8	33.8	35.2	38.3	39.4	41.8	43.6	44.4	44.6	44.6	44.6	44.7
≥ 5000	8.2	17.1	22.1	27.5	32.8	35.9	37.3	40.5	41.6	44.1	45.9	46.7	47.0	47.0	47.0	47.1
≥ 4500	8.2	17.3	22.4	27.8	33.1	36.3	37.7	40.9	42.0	44.4	46.3	47.1	47.4	47.4	47.4	47.5
≥ 4000	9.8	20.4	26.3	32.5	38.4	41.8	43.2	46.6	48.0	50.8	52.7	53.5	53.9	53.9	53.9	53.9
≥ 3500	10.3	21.2	27.2	33.7	39.8	43.2	44.7	48.2	49.6	52.4	54.3	55.2	55.5	55.5	55.5	55.6
≥ 3000	12.2	23.8	30.4	37.5	43.8	47.6	49.2	52.9	54.5	57.3	59.2	60.2	60.5	60.5	60.5	60.6
≥ 2500	13.4	25.8	32.7	40.4	46.9	50.8	52.5	56.6	58.2	61.0	63.0	64.0	64.3	64.3	64.3	64.4
≥ 2000	15.4	29.0	36.5	44.1	52.0	56.4	58.2	62.7	64.4	67.3	69.4	70.4	70.7	70.7	70.7	70.8
≥ 1800	15.4	29.3	37.0	45.4	52.3	56.9	58.7	63.3	65.1	68.1	70.0	71.1	71.4	71.4	71.4	71.5
≥ 1500	16.2	31.7	39.4	48.4	56.2	61.0	63.1	68.5	70.4	73.8	75.8	76.8	77.2	77.2	77.2	77.3
≥ 1200	17.0	32.6	40.5	49.9	58.2	63.7	66.1	71.8	73.9	77.4	79.6	80.6	81.2	81.2	81.2	81.3
≥ 1000	17.3	33.4	41.6	51.4	60.8	66.3	69.4	75.7	77.9	82.0	84.3	85.6	86.3	86.3	86.4	86.6
≥ 900	17.3	33.5	41.8	51.7	61.0	66.5	70.0	76.5	78.6	82.7	85.0	86.3	87.1	87.1	87.2	87.3
≥ 800	17.3	33.7	42.1	52.3	62.2	68.2	71.6	78.2	80.7	84.8	87.3	89.6	89.8	89.8	89.9	90.0
≥ 700	17.3	33.8	42.2	52.4	62.4	68.7	72.2	79.2	81.8	85.9	88.8	90.3	91.2	91.2	91.3	91.4
≥ 600	17.3	33.8	42.2	52.4	62.6	69.2	73.0	80.5	83.0	87.5	90.3	92.0	93.0	93.0	93.1	93.2
≥ 500	17.3	33.8	42.2	52.4	62.7	69.7	73.6	81.5	84.5	89.3	92.7	94.5	95.7	95.7	95.9	96.0
≥ 400	17.3	33.8	42.3	52.5	62.8	69.7	73.8	82.1	85.2	90.3	93.5	95.4	96.8	96.8	96.9	97.0
≥ 300	17.3	33.8	42.3	52.5	62.8	69.7	73.8	82.2	85.2	90.4	93.9	95.9	97.4	97.5	97.6	97.7
≥ 200	17.3	33.8	42.3	52.5	62.8	69.7	73.8	82.2	85.2	90.6	93.9	95.9	97.4	97.5	97.6	97.7
≥ 100	17.3	33.8	42.3	52.5	62.8	69.7	73.8	82.2	85.2	90.6	93.9	95.9	97.4	97.5	97.6	97.7
≥ 0	17.3	33.8	42.3	52.5	62.8	69.7	73.8	82.2	85.2	90.6	93.9	95.9	97.4	97.5	97.6	97.7

TOTAL NUMBER OF OBSERVATIONS 1355

DATA PROCESSING 11-1517
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

10-15-62 0800-1700

55-70

YEARS

1955-1956

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	6.9	12.0	14.0	15.7	16.4	18.2	19.1	20.4	21.1	21.2	22.1	22.2	22.2	22.2	22.7
IV 20000	12.3	21.7	24.6	27.7	29.8	30.6	31.7	33.0	33.6	34.5	34.9	34.9	34.9	34.9	34.9
IV 8000	12.3	21.7	24.6	27.7	29.8	30.6	31.7	33.0	33.6	34.5	34.9	34.9	34.9	34.9	34.9
IV 6000	12.3	21.7	24.6	27.7	29.8	30.6	31.7	33.0	33.6	34.5	34.9	34.9	34.9	34.9	34.9
IV 4000	12.3	21.7	24.7	27.9	30.1	30.9	31.3	33.3	33.9	34.8	35.1	35.2	35.2	35.2	35.2
IV 2000	12.4	22.0	25.0	28.2	30.4	31.4	31.8	33.9	34.5	35.4	35.7	35.9	35.9	35.9	35.9
IV 1000	13.7	24.0	28.1	31.7	34.4	35.7	36.0	38.4	39.0	39.9	40.3	40.4	40.4	40.4	40.4
IV 800	14.8	26.2	29.8	34.2	37.0	38.6	39.1	41.6	42.2	43.1	43.5	43.7	43.7	43.7	43.7
IV 600	15.2	26.9	30.5	35.4	38.1	39.7	40.2	42.9	43.8	44.8	45.3	45.5	45.5	45.5	45.5
IV 400	15.2	27.0	30.5	35.4	38.1	39.8	40.3	43.2	44.1	45.1	45.6	45.8	45.8	45.8	45.8
IV 300	15.4	27.4	31.1	36.1	38.9	40.6	41.1	43.9	44.9	45.8	46.4	46.6	46.6	46.6	46.6
IV 200	16.4	28.9	32.6	37.6	40.7	42.3	42.9	45.8	46.7	47.7	48.3	48.4	48.4	48.4	48.4
IV 100	16.6	29.3	33.1	38.0	41.2	42.9	43.4	46.3	47.3	48.2	48.8	49.0	49.0	49.0	49.0
IV 0	18.5	32.2	36.9	42.2	45.5	47.4	48.0	51.2	52.2	53.2	53.9	54.0	54.0	54.0	54.0
IV 3500	19.5	34.0	38.3	45.7	47.0	49.0	49.6	52.7	53.8	54.8	55.4	55.6	55.6	55.6	55.6
IV 3000	22.0	38.6	43.5	49.2	52.9	55.9	55.6	58.8	60.1	61.1	61.7	62.0	62.0	62.0	62.0
IV 2500	24.9	42.0	46.1	54.3	58.2	60.4	61.1	64.5	65.1	67.1	67.8	68.0	68.0	68.0	68.0
IV 2000	28.1	47.5	53.3	60.2	65.0	67.6	68.5	72.1	73.8	74.9	75.6	76.0	76.0	76.0	76.0
IV 1800	28.5	48.4	54.4	61.5	66.4	69.0	69.9	73.6	75.3	76.4	77.3	77.4	77.5	77.5	77.5
IV 1500	29.8	50.8	57.5	65.1	70.6	73.8	74.8	79.0	80.7	82.0	82.7	83.1	83.1	83.1	83.1
IV 1200	30.3	51.9	59.3	67.1	72.7	76.4	77.2	81.9	83.7	85.1	85.8	86.2	86.2	86.2	86.2
IV 1000	30.5	53.0	60.5	68.0	75.9	80.0	81.5	86.6	88.4	90.0	90.9	91.3	91.3	91.3	91.3
IV 900	30.6	53.1	60.7	69.2	78.2	80.4	82.0	87.2	89.1	90.7	91.5	92.1	92.2	92.2	92.2
IV 800	30.6	53.2	60.5	69.8	77.1	81.6	83.2	89.0	91.2	93.1	94.1	94.7	94.9	94.9	94.9
IV 700	30.6	53.3	60.7	70.1	77.4	82.1	83.7	89.5	91.8	94.1	95.1	95.8	95.9	95.9	95.9
IV 600	30.6	53.3	61.0	70.2	77.6	82.4	84.2	90.2	92.6	94.8	95.9	96.7	96.9	96.9	96.9
IV 500	30.6	53.3	61.0	70.2	77.7	82.5	84.3	91.4	94.0	96.3	97.5	98.3	98.5	98.5	98.5
IV 400	30.6	53.3	61.0	70.3	77.8	83.1	84.9	91.5	94.4	97.0	98.1	98.9	99.1	99.2	99.2
IV 300	30.6	53.3	61.0	70.3	77.8	83.1	85.2	91.6	94.4	97.4	98.5	99.3	99.5	99.6	99.6
IV 200	30.6	53.3	61.0	70.3	77.8	83.1	85.2	91.6	94.4	97.4	98.5	99.3	99.5	99.6	99.6
IV 100	30.6	53.3	61.0	70.3	77.8	83.1	85.2	91.6	94.4	97.4	98.5	99.3	99.5	99.6	99.6
IV 0	30.7	53.4	61.1	70.4	77.9	83.1	85.2	91.7	94.5	97.5	98.7	99.4	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1346

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/ETAC

5507

ETAC

5507

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-10-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING ≥ 20000	8.3	13.5	17.7	20.2	22.2	23.6	24.4	26.3	26.5	27.0	27.0	27.0	27.0	27.0	27.0	27.2
≥ 18000	12.6	23.1	26.1	29.9	32.9	34.7	35.7	38.0	38.3	38.9	38.9	39.0	39.0	39.0	39.1	39.2
≥ 16000	12.6	23.1	26.1	29.9	32.9	34.7	35.7	38.0	38.3	38.9	38.9	39.0	39.0	39.0	39.1	39.2
≥ 14000	12.7	23.3	26.2	30.0	33.1	34.8	35.8	38.1	38.4	39.0	39.1	39.2	39.2	39.2	39.2	39.3
≥ 12000	13.0	24.0	27.0	31.0	34.1	36.0	36.9	39.3	39.6	40.2	40.3	40.3	40.3	40.3	40.4	40.5
≥ 10000	14.0	25.9	29.1	33.7	37.3	39.3	40.3	42.7	43.0	43.7	43.8	43.8	43.8	43.9	43.9	44.0
≥ 9000	14.9	27.7	31.4	36.6	40.4	42.8	43.9	46.3	46.9	47.5	47.6	47.7	47.7	47.8	47.8	47.9
≥ 8000	15.5	28.8	32.7	38.0	41.9	44.4	45.5	48.2	48.8	49.5	49.6	49.6	49.6	49.7	49.8	49.9
≥ 7000	15.5	28.8	32.7	38.1	42.1	44.6	45.7	48.4	49.0	49.6	49.9	49.9	49.9	50.0	50.1	50.1
≥ 6000	15.6	29.4	33.3	38.9	42.8	45.3	46.4	49.2	49.8	50.6	50.7	50.7	50.7	50.8	50.9	51.0
≥ 5000	16.6	30.8	34.9	40.7	44.9	47.6	48.7	51.5	52.1	53.0	53.0	53.1	53.1	53.2	53.3	53.3
≥ 4500	16.6	31.0	35.1	40.9	45.2	47.9	49.0	51.8	52.4	53.3	53.3	53.3	53.4	53.5	53.6	53.6
≥ 4000	18.7	34.2	39.0	45.5	50.4	53.2	54.5	57.7	58.4	59.4	59.4	59.5	59.5	59.6	59.7	59.7
≥ 3500	19.2	34.2	39.6	46.1	51.0	54.0	55.2	58.5	59.2	60.2	60.3	60.3	60.3	60.4	60.5	60.5
≥ 3000	21.9	34.2	44.7	51.6	57.0	60.3	61.6	64.9	65.7	66.6	66.7	66.8	66.8	66.9	66.9	67.0
≥ 2500	23.4	41.9	47.8	55.7	61.7	65.3	67.2	70.7	71.5	72.6	72.7	72.7	72.7	72.8	72.9	73.0
≥ 2000	24.7	44.5	50.9	59.9	66.3	70.4	72.6	77.0	78.0	79.1	79.2	79.3	79.3	79.4	79.5	79.6
≥ 1800	24.7	44.8	51.2	60.2	66.8	71.0	73.1	77.6	78.5	79.6	79.7	79.8	79.9	79.9	80.0	80.1
≥ 1500	25.9	46.4	53.0	62.4	69.4	73.7	76.0	81.1	82.0	83.4	83.4	83.5	83.6	83.7	83.7	83.8
≥ 1200	26.4	47.2	54.1	63.6	70.8	76.0	78.4	84.0	85.2	86.7	87.0	87.1	87.1	87.2	87.3	87.4
≥ 1000	26.9	46.6	55.2	65.9	73.6	79.3	82.0	88.5	90.1	92.1	92.4	92.6	92.7	92.8	92.9	92.9
≥ 900	26.9	48.0	55.9	66.0	73.8	79.6	82.2	88.9	90.5	92.4	92.8	93.0	93.1	93.2	93.2	93.3
≥ 800	26.9	48.0	56.2	66.3	74.6	80.5	83.2	90.2	92.1	94.1	94.5	94.9	95.0	95.1	95.2	95.2
≥ 700	26.9	48.0	56.2	66.3	74.9	80.9	83.6	91.2	93.1	95.5	95.9	96.4	96.5	96.6	96.7	96.7
≥ 600	26.9	48.0	56.2	66.3	75.2	81.3	84.2	92.1	94.3	96.9	97.3	98.0	98.3	98.4	98.4	98.5
≥ 500	26.9	48.0	56.2	66.3	75.2	81.3	84.3	92.4	94.6	97.3	97.7	98.5	98.8	99.0	99.1	99.3
≥ 400	26.9	49.1	56.2	66.3	75.2	81.3	84.3	92.4	94.6	97.3	97.7	98.5	98.8	99.0	99.1	99.3
≥ 300	26.9	49.1	56.2	66.3	75.2	81.3	84.3	92.4	94.6	97.3	97.8	98.7	99.2	99.4	99.5	99.5
≥ 200	26.9	49.1	56.2	66.3	75.2	81.3	84.3	92.4	94.6	97.3	97.8	98.7	99.2	99.5	99.6	99.6
≥ 100	26.9	49.1	56.2	66.3	75.2	81.3	84.3	92.4	94.6	97.3	97.8	98.7	99.2	99.5	99.6	99.6
≥ 0	26.9	49.1	56.2	66.3	75.2	81.3	84.3	92.4	94.6	97.3	97.8	98.7	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 124

DATA PROCESSING INSTRUCTIONS
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177 STATION NURNBERG GERMANY/F 47th

35-7

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-6-72000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	4.4	13.0	15.1	19.9	22.9	25.1	25.5	28.4	29.2	30.0	30.4	30.5	30.9	30.9	31.0	31.0
≥ 20000	6.0	17.5	20.0	26.1	30.1	32.7	33.2	36.8	37.7	38.5	39.1	39.2	39.7	39.7	39.8	39.8
≥ 18000	6.0	17.5	20.0	26.1	30.1	32.7	33.2	36.8	37.7	38.5	39.1	39.2	39.7	39.7	39.8	39.8
≥ 16000	6.0	17.5	20.0	26.1	30.1	32.7	33.2	36.8	37.7	38.5	39.1	39.2	39.7	39.7	39.8	39.8
≥ 14000	6.0	17.5	20.0	26.1	30.1	32.7	33.2	36.8	37.7	38.5	39.1	39.2	39.7	39.7	39.8	39.8
≥ 12000	6.1	17.9	20.4	26.5	30.4	33.1	33.6	37.1	38.0	38.8	39.5	39.6	40.0	40.1	40.2	40.2
≥ 10000	6.6	19.9	22.9	29.3	33.5	36.4	36.9	40.7	41.6	42.5	43.1	43.2	43.6	43.7	43.8	43.8
≥ 9000	7.2	22.2	25.3	32.0	36.7	39.6	40.1	44.0	45.1	46.0	46.7	46.8	47.2	47.3	47.3	47.3
≥ 8000	7.4	22.8	26.2	33.0	37.9	41.2	41.8	45.9	47.1	48.3	49.0	49.0	49.5	49.6	49.6	49.6
≥ 7000	7.4	22.9	26.3	33.1	38.1	41.4	42.0	46.1	47.3	48.5	49.2	49.3	49.7	49.8	49.9	49.9
≥ 6000	7.5	24.1	27.6	34.6	40.2	43.5	44.1	48.2	49.5	50.8	51.5	51.5	52.0	52.1	52.1	52.1
≥ 5000	8.3	25.6	29.4	36.9	42.5	45.9	46.5	51.1	52.4	53.8	54.4	54.5	54.9	55.0	55.1	55.1
≥ 4500	8.3	25.7	29.5	37.1	42.7	46.2	46.8	51.4	52.7	54.1	54.7	54.8	55.2	55.3	55.4	55.4
≥ 4000	9.5	28.8	32.7	41.0	47.3	51.1	51.9	56.6	58.0	59.4	60.0	60.1	60.6	60.6	60.7	60.7
≥ 3500	10.0	29.2	33.8	42.4	48.8	52.9	53.8	58.6	60.0	61.4	62.0	62.1	62.6	62.6	62.7	62.7
≥ 3000	11.0	32.4	37.6	47.1	54.2	58.7	59.7	65.3	66.7	68.2	69.0	69.1	69.5	69.6	69.6	69.6
≥ 2500	11.9	34.9	40.6	50.4	58.0	62.8	63.8	69.6	71.0	72.6	73.3	73.4	73.9	73.9	74.0	74.0
≥ 2000	12.4	36.3	42.5	53.1	61.3	66.5	67.5	73.8	75.4	77.2	77.9	78.0	78.4	78.5	78.6	78.6
≥ 1800	12.6	36.9	43.4	54.1	62.4	67.7	69.1	75.5	77.2	79.0	79.7	79.8	80.2	80.3	80.4	80.4
≥ 1500	13.0	38.1	45.0	56.2	64.9	70.6	71.9	78.9	80.7	82.7	83.5	83.6	84.0	84.1	84.2	84.2
≥ 1200	13.3	39.0	46.2	58.0	67.2	73.6	75.0	82.7	84.6	86.8	87.6	87.7	88.2	88.3	88.3	88.3
≥ 1000	13.6	39.7	47.0	59.2	68.8	75.6	77.1	85.5	87.6	90.2	91.1	91.1	91.7	91.7	91.8	91.8
≥ 900	13.6	39.7	47.0	59.2	68.8	75.6	77.1	85.5	87.6	90.2	91.1	91.1	91.7	91.7	91.8	91.8
≥ 800	13.6	40.0	47.3	59.7	69.4	76.7	78.2	86.9	89.1	91.9	92.8	92.9	93.5	93.6	93.7	93.7
≥ 700	13.6	40.0	47.4	59.9	69.7	77.1	78.8	87.8	90.0	93.1	94.1	94.2	94.8	94.8	95.0	95.0
≥ 600	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	90.4	93.7	94.9	95.3	96.0	96.1	96.2	96.2
≥ 500	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	91.1	94.8	96.0	96.5	97.2	97.3	97.4	97.4
≥ 400	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	91.7	95.4	96.6	97.0	97.8	97.9	98.0	98.0
≥ 300	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	91.9	96.1	97.4	97.9	98.5	98.7	98.8	98.8
≥ 200	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	91.9	96.1	97.4	97.9	98.5	98.7	98.8	98.8
≥ 100	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	91.9	96.1	97.4	97.9	98.5	98.7	98.8	98.8
≥ 0	13.6	40.0	47.5	60.0	69.8	77.2	79.2	88.8	91.9	96.1	97.4	97.9	98.5	98.7	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 1354

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAAC

CEILING VERSUS VISIBILITY

34177
STATION

NURNBERG GERMANY/E.R.T.H.
STATION NAME

55-70
EAST

2130-2300
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2130-2300
DATE

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	4.1	13.9	15.3	20.9	23.3	25.7	26.3	29.6	30.6	30.9	31.6	31.8	32.2	32.2	32.2	32.4
≥ 20000	4.4	16.8	18.7	24.7	27.4	30.2	31.2	35.3	36.4	36.7	37.5	37.8	38.1	38.1	38.1	38.4
IV 18000	4.4	16.8	18.7	24.7	27.4	30.2	31.2	35.3	36.4	36.7	37.5	37.8	38.1	38.1	38.1	38.4
IV 16000	4.4	16.8	18.7	24.7	27.4	30.2	31.2	35.3	36.4	36.7	37.5	37.8	38.1	38.1	38.1	38.4
IV 14000	4.4	16.8	18.7	24.7	27.4	30.2	31.2	35.3	36.4	36.7	37.5	37.8	38.1	38.1	38.1	38.4
IV 12000	4.4	17.2	19.2	25.4	28.2	31.0	32.0	36.2	37.3	37.6	38.6	38.8	39.2	39.2	39.2	39.4
IV 10000	4.9	19.0	21.3	27.7	30.5	33.5	34.4	38.9	40.1	40.5	41.4	41.7	42.0	42.0	42.0	42.3
IV 9000	5.2	19.8	22.2	28.9	32.1	35.2	36.1	40.8	42.1	42.6	43.5	43.8	44.2	44.2	44.2	44.4
IV 8000	5.2	20.6	22.9	29.9	33.1	36.4	37.3	42.3	43.7	44.2	45.1	45.4	45.8	45.8	45.8	46.1
IV 7000	5.4	20.9	23.3	30.2	33.6	36.9	37.8	42.3	44.2	44.7	45.6	45.9	46.3	46.3	46.3	46.5
IV 6000	6.3	22.9	25.3	32.4	36.1	39.5	40.5	45.3	46.9	47.5	48.5	48.7	49.1	49.1	49.1	49.3
IV 5000	7.2	24.9	27.6	33.6	39.5	42.9	44.0	49.0	50.4	51.0	52.0	52.3	52.7	52.7	52.7	52.9
IV 4500	7.2	28.4	28.3	36.4	40.2	43.9	44.9	50.0	51.4	52.0	52.9	53.2	53.6	53.6	53.6	53.8
IV 4000	8.8	29.3	33.0	42.0	46.1	50.2	51.3	56.4	57.8	58.4	59.4	59.7	60.0	60.0	60.0	60.2
IV 3500	9.1	30.2	34.3	43.7	47.8	52.1	53.2	58.4	59.8	60.4	61.4	61.7	62.0	62.0	62.0	62.2
IV 3000	10.3	33.3	38.1	48.4	53.2	58.1	59.2	65.2	66.4	67.0	67.9	68.2	68.6	68.7	68.7	68.9
IV 2500	10.9	35.2	40.1	50.8	55.2	60.9	62.0	67.8	69.2	69.8	70.8	71.1	71.5	71.5	71.5	71.8
IV 2000	11.6	36.4	41.9	53.2	58.3	63.9	65.0	71.3	72.9	73.7	74.7	75.0	75.4	75.4	75.4	75.7
IV 1800	11.7	37.5	43.4	54.8	60.1	65.9	67.0	73.8	75.2	76.0	77.0	77.3	77.7	77.7	77.7	77.9
IV 1500	12.1	39.2	45.2	57.1	62.8	69.0	70.1	77.4	79.4	80.7	81.7	82.0	82.6	82.7	82.7	82.9
IV 1200	12.5	40.3	46.7	59.3	65.0	71.5	72.7	81.2	83.5	85.0	86.0	86.3	86.9	86.9	86.9	87.2
IV 1000	12.6	40.5	47.1	60.3	66.2	73.7	75.1	84.1	86.8	88.5	89.5	89.8	90.4	90.5	90.5	90.7
IV 900	12.6	40.5	47.1	60.3	66.5	74.1	75.5	84.7	87.4	89.2	90.2	90.5	91.1	91.2	91.2	91.4
IV 800	12.6	40.8	47.4	61.1	67.3	75.7	77.2	86.8	89.6	91.7	92.7	93.0	93.6	93.7	93.7	93.9
IV 700	12.6	40.9	47.5	61.2	67.5	76.1	77.6	87.3	90.3	92.3	93.4	93.7	94.2	94.3	94.3	94.5
IV 600	12.6	40.9	47.5	61.4	67.6	76.3	77.8	87.3	91.0	93.4	94.4	94.7	95.3	95.4	95.4	95.6
IV 500	12.6	40.9	47.5	61.4	67.7	76.4	77.9	88.2	91.5	94.2	95.3	95.6	96.2	96.2	96.2	96.5
IV 400	12.6	40.9	47.5	61.4	67.7	76.4	77.9	88.2	92.0	94.8	95.9	96.2	96.8	96.8	96.8	97.1
IV 300	12.6	40.9	47.5	61.4	67.7	76.4	77.9	88.3	92.0	95.4	96.5	96.8	97.4	97.5	97.5	97.7
IV 200	12.6	40.9	47.5	61.4	67.7	76.4	77.9	88.3	92.0	95.5	96.8	97.1	97.7	97.8	97.8	98.0
IV 100	12.6	40.9	47.5	61.4	67.7	76.4	77.9	88.3	92.0	95.5	96.8	97.1	97.7	97.8	97.8	98.0
IV 0	12.6	40.9	47.5	61.4	67.7	76.4	77.9	88.3	92.0	95.5	96.8	97.1	97.9	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1336

DATA PROCESSING DIVISION
USAF ETAC
AIR CATER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERM V/F RTH

55-7

YEARS

0000-12-0

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-12-0

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	7.7	21.4	25.3	21.9	34.9	37.8	38.2	40.6	41.0	41.2	41.2	41.3	41.5	41.7	41.7	41.7
≥ 20000	7.4	23.8	28.5	35.5	38.8	42.0	42.5	45.2	45.6	45.6	45.8	45.9	46.1	46.2	46.2	46.4
≥ 18000	7.4	23.9	28.5	35.5	38.8	42.0	42.5	45.2	45.6	45.6	45.8	45.9	46.1	46.2	46.2	46.4
≥ 16000	7.4	23.9	28.5	35.5	38.8	42.0	42.5	45.2	45.6	45.6	45.8	45.9	46.1	46.2	46.2	46.4
≥ 14000	7.4	23.9	28.5	35.5	38.8	42.0	42.5	45.2	45.6	45.6	45.8	45.9	46.1	46.2	46.2	46.4
≥ 12000	7.4	24.3	28.9	36.1	39.5	42.9	43.4	46.1	46.5	46.7	46.7	46.8	47.0	47.2	47.2	47.3
≥ 10000	8.0	26.3	31.7	39.2	42.9	46.4	47.0	49.8	50.2	50.4	50.4	50.5	50.7	50.9	50.9	50.9
≥ 9000	8.1	27.1	32.7	40.5	44.4	48.1	48.7	51.5	52.0	52.2	52.2	52.3	52.5	52.7	52.7	52.7
≥ 8000	8.3	27.7	33.5	41.5	45.4	49.3	49.8	53.0	53.4	53.6	53.6	53.7	53.9	54.1	54.1	54.2
≥ 7000	8.3	27.8	33.6	41.7	45.8	49.7	50.2	53.4	53.8	54.0	54.0	54.1	54.3	54.5	54.5	54.5
≥ 6000	8.8	29.1	35.3	43.6	47.6	51.7	52.2	55.4	55.8	56.0	56.0	56.1	56.2	56.5	56.5	56.6
≥ 5000	9.9	31.3	38.0	46.6	51.1	55.5	56.1	59.5	59.9	60.1	60.1	60.2	60.4	60.6	60.6	60.7
≥ 4500	10.1	32.0	38.8	47.6	52.0	56.5	57.1	60.4	60.9	61.1	61.1	61.2	61.4	61.6	61.6	61.6
≥ 4000	11.0	36.0	42.0	53.2	58.1	63.2	63.9	67.7	68.2	68.5	68.5	68.5	68.8	69.0	69.0	69.0
≥ 3500	11.2	37.1	44.3	54.7	59.7	65.0	65.7	69.6	70.2	70.4	70.4	70.4	70.6	70.8	70.8	70.9
≥ 3000	11.9	39.4	47.2	58.4	63.8	69.2	69.8	74.1	74.7	74.9	74.9	74.9	75.1	75.3	75.3	75.4
≥ 2500	12.1	41.3	49.3	61.0	66.8	72.8	73.6	77.9	78.4	78.6	78.6	78.7	78.9	79.1	79.1	79.2
≥ 2000	12.5	43.8	52.5	64.5	71.1	77.6	78.4	82.7	83.3	83.5	83.5	83.6	83.8	84.0	84.0	84.1
≥ 1800	12.6	44.3	53.2	66.9	72.6	79.2	80.0	84.4	84.9	85.2	85.2	85.2	85.5	85.7	85.7	85.8
≥ 1500	12.8	45.7	55.0	68.5	75.3	82.6	83.4	88.1	88.6	88.9	88.9	89.0	89.2	89.4	89.4	89.4
≥ 1200	12.8	46.4	55.8	69.6	76.8	84.5	85.3	90.2	90.9	91.1	91.1	91.2	91.4	91.6	91.6	91.7
≥ 1000	13.0	47.2	56.9	71.1	78.6	87.0	88.0	93.1	94.0	94.4	94.4	94.4	94.6	94.8	94.8	94.9
≥ 900	13.0	47.2	57.0	71.3	78.8	87.2	88.2	93.5	94.4	94.8	94.8	94.9	95.1	95.3	95.3	95.4
≥ 800	13.0	47.4	57.2	71.6	79.3	87.7	88.7	94.0	95.0	95.6	95.6	95.6	95.8	96.0	96.0	96.1
≥ 700	13.0	47.5	57.3	72.0	79.8	88.4	89.4	95.0	96.0	96.7	96.7	96.8	97.0	97.2	97.2	97.2
≥ 600	13.0	47.5	57.4	72.2	79.9	88.5	89.6	95.2	96.4	97.0	97.0	97.1	97.3	97.5	97.5	97.6
≥ 500	13.0	47.5	57.4	72.2	80.0	88.6	89.9	95.6	97.0	98.0	98.1	98.1	98.4	98.6	98.6	98.7
≥ 400	13.0	47.6	57.4	72.2	80.1	88.8	90.1	96.0	97.2	98.2	98.5	98.5	98.8	99.0	99.0	99.1
≥ 300	13.0	47.6	57.5	72.4	80.2	88.9	90.2	96.0	97.4	98.7	98.9	98.9	99.2	99.4	99.5	99.5
≥ 200	13.0	47.6	57.5	72.4	80.2	88.9	90.2	96.0	97.4	98.7	98.9	99.0	99.3	99.5	99.5	99.6
≥ 100	13.0	47.6	57.5	72.4	80.2	88.9	90.2	96.0	97.4	98.7	98.9	99.0	99.3	99.5	99.5	99.6
≥ 0	13.0	47.6	57.5	72.4	80.2	88.9	90.2	96.0	97.4	98.7	98.9	99.0	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1488

DATA PROCESSING 11-151
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

MUNNBERG GERMANY/F 37-

5547

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2000-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥10	≥1	≥0
NO CEILING	5.2	16.2	20.3	23.7	26.8	31.9	32.3	35.7	36.3	36.5	36.6	36.7	36.9	37.1	37.4	37.5
≥ 20000	5.3	16.5	22.2	28.2	31.9	35.6	36.0	39.8	40.6	41.3	41.2	41.2	41.2	41.4	41.4	41.5
≥ 18000	5.9	18.5	22.2	28.2	31.9	35.6	36.0	39.8	40.6	41.3	41.2	41.2	41.2	41.4	41.4	41.5
≥ 16000	5.9	18.5	22.2	28.2	31.9	35.6	36.0	39.8	40.6	41.3	41.2	41.2	41.2	41.4	41.4	41.5
≥ 14000	5.9	18.7	22.4	28.4	32.2	35.8	36.3	40.1	40.9	41.3	41.6	41.6	41.6	41.7	41.8	41.9
≥ 12000	5.9	18.9	22.5	28.5	32.7	36.9	36.9	40.6	41.6	42.3	42.3	42.3	42.3	42.4	42.5	42.5
≥ 10000	6.1	21.0	25.5	32.0	36.2	40.1	40.5	44.7	45.5	45.9	46.2	46.2	46.2	46.4	46.5	46.5
≥ 9000	6.3	22.0	26.5	33.2	37.6	41.7	42.1	46.4	47.2	47.6	47.8	47.8	47.8	48.0	48.2	48.3
≥ 8000	6.4	22.5	27.2	34.3	38.4	42.7	43.1	47.4	48.2	48.7	48.9	48.9	48.9	49.1	49.3	49.4
≥ 7000	6.5	22.6	27.4	34.2	38.7	43.1	43.5	47.8	48.7	49.1	49.3	49.3	49.3	49.5	49.7	49.8
≥ 6000	7.3	24.2	29.2	36.3	40.8	45.3	45.8	50.1	50.9	51.3	51.5	51.5	51.5	51.8	52.0	52.0
≥ 5000	8.0	26.2	31.7	39.4	44.0	48.7	49.2	53.5	54.4	54.8	55.1	55.1	55.1	55.3	55.5	55.5
≥ 4500	8.0	26.5	32.0	39.8	44.0	49.3	49.9	54.2	55.1	55.5	55.7	55.7	55.7	55.9	56.1	56.2
≥ 4000	9.1	30.3	36.4	45.1	50.1	55.2	56.0	61.1	61.9	62.4	62.7	62.7	62.7	62.9	63.1	63.2
≥ 3500	9.6	31.5	37.7	46.5	51.4	56.5	57.3	62.5	63.3	63.8	64.1	64.1	64.1	64.4	64.6	64.6
≥ 3000	10.7	35.1	41.8	51.6	57.2	62.4	63.2	68.5	69.5	69.9	70.2	70.2	70.2	70.5	70.7	70.8
≥ 2500	11.5	37.1	44.1	54.3	59.9	65.6	66.4	71.8	72.8	73.2	73.5	73.5	73.5	73.8	74.0	74.1
≥ 2000	11.8	39.5	47.0	58.2	64.4	70.7	71.6	77.2	78.2	78.6	78.9	78.9	78.9	79.2	79.4	79.4
≥ 1800	11.8	40.4	48.2	59.8	65.8	72.2	73.1	78.7	79.7	80.3	80.5	80.5	80.5	80.8	81.0	81.1
≥ 1500	12.2	42.1	50.6	63.1	69.7	76.5	77.4	83.2	84.4	85.1	85.4	85.4	85.4	85.6	85.8	85.9
≥ 1200	12.6	43.8	52.4	65.4	72.5	80.0	81.0	87.1	88.3	89.2	89.4	89.4	89.4	89.7	89.9	90.0
≥ 1000	12.8	44.3	53.0	66.3	74.0	81.6	82.6	88.9	90.6	91.1	91.4	91.4	91.4	91.6	91.8	91.9
≥ 900	12.8	44.3	53.0	66.4	74.4	82.0	83.1	89.5	91.0	91.8	92.0	92.0	92.0	92.3	92.5	92.6
≥ 800	12.8	44.5	53.5	67.2	75.5	83.2	84.3	91.1	92.9	93.8	94.1	94.1	94.1	94.3	94.5	94.6
≥ 700	12.8	44.5	53.6	67.8	76.2	84.0	85.1	92.1	94.0	94.9	95.2	95.2	95.2	95.5	95.7	95.8
≥ 600	12.8	44.5	53.6	67.9	76.4	84.2	85.4	92.4	94.8	95.8	96.1	96.1	96.1	96.4	96.6	96.7
≥ 500	12.8	44.5	53.6	67.9	76.5	84.3	85.5	93.1	95.6	96.7	97.0	97.0	97.0	97.3	97.5	97.6
≥ 400	12.8	44.5	53.6	67.9	76.5	84.4	85.5	93.2	95.9	97.0	97.3	97.3	97.3	97.6	97.8	97.9
≥ 300	12.8	44.5	53.6	67.9	76.5	84.4	85.5	93.2	95.9	97.0	97.3	97.3	97.3	97.6	97.8	97.9
≥ 200	12.8	44.5	53.6	68.0	76.6	84.4	85.6	93.6	96.4	97.8	98.2	98.2	98.2	98.5	98.8	98.9
≥ 100	12.8	44.5	53.6	68.0	76.6	84.4	85.6	93.6	96.4	97.8	98.2	98.2	98.2	98.5	98.8	98.9
≥ 0	12.8	44.5	53.6	68.0	76.6	84.4	85.6	93.6	96.4	97.8	98.2	98.2	98.2	98.5	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 1484

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 JÜRBERG GERMANY V/S RTM

55-7

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-021

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 2000	2.5	7.2	9.5	13.7	17.6	19.8	21.3	24.4	25.5	26.5	26.7	26.7	27.2	27.5	27.5	28.1
≥ 18000	3.2	9.7	13.3	18.8	24.1	26.9	28.9	32.9	34.2	35.7	35.9	36.0	36.5	36.7	36.8	37.3
≥ 16000	3.2	9.7	13.3	18.8	24.1	26.9	28.9	32.9	34.2	35.7	35.9	36.0	36.5	36.7	36.8	37.3
≥ 14000	3.0	9.9	13.5	19.1	24.4	27.2	29.2	33.2	34.5	35.9	36.1	36.3	36.7	37.0	37.1	37.6
≥ 12000	3.1	10.4	14.1	19.7	25.1	28.0	30.0	34.0	35.3	36.7	36.9	37.1	37.6	37.8	37.9	38.4
≥ 10000	4.1	12.2	16.3	22.8	28.4	31.9	34.0	38.4	39.9	41.4	41.7	41.9	42.4	42.6	42.7	43.2
≥ 9000	4.7	13.3	17.6	24.7	30.6	34.4	36.5	41.2	42.6	44.2	44.5	44.7	45.1	45.4	45.5	46.0
≥ 8000	4.9	13.5	18.2	25.8	32.0	36.0	38.1	42.9	44.3	45.9	46.2	46.3	46.8	47.1	47.2	47.7
≥ 7000	4.9	13.5	18.3	25.9	32.1	36.2	38.3	43.2	44.7	46.2	46.5	46.7	47.2	47.4	47.5	48.0
≥ 6000	5.0	14.6	19.4	27.2	33.6	37.7	39.8	44.7	46.1	47.7	48.0	48.2	48.6	48.9	49.0	49.5
≥ 5000	5.5	15.8	21.0	29.5	36.3	41.1	43.2	48.2	49.7	51.3	51.6	51.8	52.2	52.5	52.6	53.1
≥ 4500	5.5	16.0	21.2	29.8	36.5	41.4	43.5	48.5	50.1	51.6	52.0	52.1	52.6	52.8	52.9	53.5
≥ 4000	6.3	18.1	23.8	33.4	40.9	46.1	48.5	54.2	55.8	57.4	57.7	57.8	58.4	58.7	58.8	59.2
≥ 3500	6.4	18.9	24.7	34.4	42.0	47.2	49.7	55.3	57.0	58.5	58.9	59.0	59.5	59.9	59.9	60.5
≥ 3000	7.3	21.6	28.0	38.9	46.8	52.4	55.1	61.4	63.1	64.8	65.2	65.4	66.0	66.4	66.4	67.0
≥ 2500	7.7	22.9	29.8	41.5	49.7	55.4	58.3	64.8	66.7	68.6	69.1	69.2	70.0	70.3	70.4	70.9
≥ 2000	8.6	24.5	31.7	44.4	53.3	59.3	62.4	69.6	71.6	73.5	74.0	74.1	74.8	75.2	75.2	75.8
≥ 1800	8.7	25.0	32.3	45.0	54.0	60.0	63.1	70.4	72.5	74.4	74.9	75.0	75.8	76.2	76.3	76.8
≥ 1500	9.5	26.7	35.0	48.8	58.2	64.5	67.7	75.3	77.9	80.1	80.6	80.9	81.7	82.1	82.1	82.6
≥ 1200	9.7	27.7	36.0	50.4	60.1	66.7	69.8	78.0	80.8	83.0	83.6	83.8	84.6	85.0	85.0	85.6
≥ 1000	9.9	28.2	37.0	52.4	62.9	69.9	73.2	81.9	85.0	87.7	88.4	88.6	89.4	89.7	89.8	90.3
≥ 900	9.9	28.2	37.0	52.4	63.0	70.2	73.5	82.3	85.3	88.1	88.8	89.0	89.9	90.2	90.3	90.8
≥ 800	9.9	28.7	37.8	53.5	64.2	71.7	75.3	84.2	87.3	90.2	90.9	91.1	91.9	92.3	92.4	92.9
≥ 700	9.9	28.8	38.0	53.9	64.7	72.3	75.9	85.0	88.2	91.1	91.8	92.1	92.9	93.2	93.3	93.8
≥ 600	9.9	28.8	38.2	54.6	65.5	73.1	76.9	86.1	89.4	92.4	93.2	93.5	94.3	94.8	94.9	95.4
≥ 500	9.9	28.8	38.2	54.6	65.6	73.1	76.9	86.4	89.9	93.0	94.0	94.2	95.3	95.7	95.8	96.3
≥ 400	9.9	28.8	38.3	54.7	65.7	73.2	77.3	86.7	90.3	93.8	94.9	95.3	96.3	96.5	96.8	97.4
≥ 300	9.9	28.8	38.3	54.7	65.7	73.2	77.3	86.9	90.5	94.2	95.5	95.9	97.1	97.6	97.7	98.2
≥ 200	9.9	28.8	38.3	54.7	65.7	73.2	77.3	86.9	90.5	94.2	95.5	96.0	97.2	97.8	97.8	98.4
≥ 100	9.9	28.8	38.3	54.7	65.7	73.2	77.3	86.9	90.5	94.2	95.5	96.1	97.4	97.9	98.0	98.5
≥ 0	9.9	28.8	38.3	54.7	65.7	73.2	77.3	86.9	90.5	94.2	95.5	96.2	97.4	98.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1473

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMAN Y/P-7H

23-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-11

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	6.3	16.1	18.4	20.9	23.4	24.6	25.4	26.9	27.7	28.6	28.9	28.9	28.9	28.9	28.9	28.9
≥ 20000	5.2	22.1	25.4	29.3	32.2	33.7	34.6	36.3	37.7	38.6	39.0	39.1	39.1	39.1	39.1	39.1
≥ 18000	8.2	22.1	25.4	29.3	32.2	33.7	34.6	36.3	37.7	38.6	39.0	39.1	39.1	39.1	39.1	39.1
≥ 16000	8.3	22.2	25.4	29.4	32.3	33.7	34.7	36.3	37.8	38.7	39.1	39.1	39.2	39.2	39.2	39.2
≥ 14000	8.3	22.3	25.5	29.5	32.5	34.0	35.0	37.1	38.1	38.9	39.3	39.4	39.5	39.5	39.5	39.5
≥ 12000	8.5	23.0	26.4	30.4	33.3	34.8	35.7	37.9	38.8	39.7	40.1	40.1	40.2	40.2	40.2	40.2
≥ 10000	9.2	24.5	28.1	32.5	35.6	37.2	38.2	40.6	41.5	42.4	42.8	42.9	43.0	43.0	43.0	43.0
≥ 9000	9.3	25.4	29.5	34.2	37.4	39.1	40.1	42.5	43.5	44.4	44.8	44.9	44.9	44.9	44.9	44.9
≥ 8000	9.5	26.2	30.6	35.6	39.0	40.8	41.8	44.2	45.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6
≥ 7000	9.5	26.5	30.9	35.9	39.3	41.2	42.2	44.7	45.7	46.6	47.0	47.1	47.2	47.2	47.2	47.2
≥ 6000	9.7	27.2	31.6	36.8	40.3	42.1	43.2	45.6	46.6	47.6	48.0	48.2	48.1	48.1	48.1	48.1
≥ 5000	10.2	28.9	33.6	39.0	42.7	44.7	45.8	48.2	49.3	50.2	50.7	50.7	50.8	50.8	50.8	50.8
≥ 4500	10.5	29.5	33.9	39.3	43.0	45.1	46.2	48.6	49.6	50.6	51.0	51.1	51.1	51.1	51.1	51.1
≥ 4000	11.9	32.1	37.2	43.3	47.4	49.7	50.8	53.2	54.3	55.2	55.7	55.9	55.9	55.9	55.9	55.9
≥ 3500	12.2	33.1	38.3	44.5	48.6	50.9	52.0	54.4	55.5	56.5	57.0	57.0	57.1	57.1	57.1	57.1
≥ 3000	13.7	36.2	42.2	48.8	52.9	55.3	56.4	58.8	59.9	60.9	62.0	62.4	62.5	62.6	62.6	62.6
≥ 2500	15.4	40.7	47.0	54.7	58.8	61.2	62.3	64.7	65.8	66.8	67.7	68.7	69.1	69.2	69.2	69.2
≥ 2000	17.3	44.8	52.0	60.3	66.1	69.2	70.3	72.7	73.8	74.9	75.9	76.2	76.4	76.5	76.5	76.5
≥ 1800	17.4	45.5	52.7	61.2	67.0	70.1	71.2	73.6	74.7	75.8	76.9	77.3	77.3	77.4	77.4	77.4
≥ 1500	18.1	47.5	55.2	63.0	71.8	75.4	77.5	81.1	82.2	83.4	83.9	83.9	84.0	84.0	84.0	84.0
≥ 1200	18.4	48.7	56.8	67.1	74.4	78.2	80.2	84.2	85.3	86.5	86.9	87.3	87.4	87.4	87.4	87.4
≥ 1000	18.9	49.7	58.2	68.9	76.7	81.0	83.1	87.3	88.4	89.6	90.0	91.0	91.1	91.2	91.2	91.2
≥ 900	19.0	49.9	58.4	69.2	77.1	81.5	83.6	87.8	88.9	90.1	91.2	91.8	91.8	91.9	91.9	91.9
≥ 800	19.0	50.4	59.4	70.6	78.6	83.1	85.2	89.4	90.5	91.6	92.2	94.1	94.3	94.3	94.3	94.3
≥ 700	19.0	50.5	59.5	71.4	79.6	84.2	86.3	90.5	91.6	92.7	93.4	94.9	95.8	96.1	96.2	96.2
≥ 500	19.0	50.7	60.0	71.7	80.0	84.8	87.3	92.0	93.1	94.2	95.3	96.3	97.2	97.4	97.5	97.5
≥ 400	19.0	50.7	60.0	71.7	80.1	85.2	87.7	92.5	93.6	94.7	95.8	96.8	97.7	97.9	98.0	98.0
≥ 300	19.0	50.7	60.0	71.7	80.1	85.3	87.8	92.6	93.7	94.8	95.9	96.9	97.8	98.0	98.1	98.1
≥ 200	19.0	50.7	60.0	71.7	80.1	85.3	87.8	92.6	93.7	94.8	95.9	96.9	97.8	98.0	98.1	98.1
≥ 100	19.0	50.7	60.0	71.7	80.1	85.3	87.8	92.6	93.7	94.8	95.9	96.9	97.8	98.0	98.1	98.1
≥ 0	19.0	50.7	60.0	71.7	80.1	85.3	87.8	92.6	93.7	94.8	95.9	96.9	97.8	98.0	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 1482

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 SURFACE REPORT V/S KTM

55-7

YEAR

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	14.2	23.7	25.1	26.5	27.7	28.3	28.6	28.9	29.0	29.2	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	22.3	34.3	36.2	38.1	39.6	40.4	40.7	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 18000	22.0	34.3	36.2	38.1	39.6	40.4	40.7	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 16000	22.0	34.3	36.2	38.1	39.6	40.4	40.7	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 14000	22.2	34.6	36.4	38.4	39.9	40.7	41.0	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5
≥ 12000	23.0	35.6	37.5	39.4	40.9	41.7	42.0	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	25.0	37.5	40.2	42.5	44.2	45.0	45.3	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 9000	25.4	38.9	41.2	43.7	45.4	46.2	46.6	47.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	25.6	39.6	41.9	44.8	46.6	47.4	47.7	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3
≥ 7000	25.6	39.6	42.1	45.1	46.9	47.7	48.0	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 6000	25.8	40.5	42.9	46.0	47.7	48.6	49.0	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 5000	27.3	43.1	45.7	49.0	50.6	51.7	52.0	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 4500	27.5	43.2	45.9	49.2	51.0	51.9	52.3	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4000	29.7	47.6	50.6	54.2	56.3	57.2	57.5	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	30.4	48.7	51.9	55.6	57.7	58.8	59.1	59.6	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7
≥ 3000	34.0	55.4	59.6	63.8	66.3	67.4	67.7	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500	36.0	59.6	64.0	69.0	71.9	73.1	73.4	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	38.9	64.5	69.9	75.8	79.0	80.3	80.7	81.3	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1800	39.0	65.0	70.3	76.4	79.7	81.0	81.3	82.2	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	40.2	68.9	75.0	81.9	85.7	87.4	87.7	88.6	88.9	89.2	89.3	89.3	89.3	89.4	89.4	89.4
≥ 1200	40.6	70.3	76.7	84.1	88.2	89.9	90.3	91.4	91.7	92.0	92.1	92.1	92.1	92.2	92.2	92.2
≥ 1000	40.6	71.3	77.9	85.7	90.3	92.2	92.7	94.1	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900	40.8	71.4	78.0	85.9	90.8	92.6	93.0	94.5	94.8	95.2	95.3	95.3	95.3	95.4	95.4	95.4
≥ 800	40.8	71.8	78.7	87.2	92.0	94.1	94.6	96.3	96.7	97.1	97.3	97.3	97.3	97.4	97.4	97.4
≥ 700	40.8	72.1	79.0	87.7	92.6	94.7	95.2	97.0	97.4	97.8	98.0	98.0	98.0	98.1	98.1	98.1
≥ 600	40.8	72.1	79.0	87.8	92.6	95.1	95.6	97.6	98.1	98.6	98.7	98.7	98.7	98.8	98.8	98.8
≥ 500	40.8	72.1	79.0	87.8	92.6	95.1	95.7	97.8	98.3	98.8	98.9	98.9	98.9	99.0	99.0	99.0
≥ 400	40.8	72.1	79.0	87.9	92.9	95.2	95.8	98.0	98.5	99.0	99.4	99.5	99.5	99.5	99.5	99.5
≥ 300	40.8	72.1	79.0	87.9	93.0	95.3	95.9	98.0	98.6	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 200	40.8	72.1	79.0	87.9	93.0	95.3	95.9	98.0	98.6	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 100	40.8	72.1	79.0	87.9	93.0	95.3	95.9	98.0	98.6	99.1	99.5	99.5	99.5	99.6	99.6	99.6
≥ 0	40.8	72.1	79.0	87.9	93.0	95.3	95.9	98.0	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1475

DATA PROCESSING 1-1511
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177

WUNHEO GERVARY/FAIR

55-70

YEAR

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥5	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	15.2	24.3	25.3	26.9	26.1	25.9	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥20000	23.9	36.8	38.5	41.2	42.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥18000	23.9	36.8	38.5	41.2	42.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥16000	24.3	36.9	38.6	41.2	42.7	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥14000	24.1	37.2	38.8	41.3	43.1	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥12000	24.5	38.6	40.2	43.0	44.5	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥10000	27.1	42.0	43.8	47.0	48.7	49.7	49.8	50.3	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥9000	28.2	43.5	45.7	49.1	50.8	51.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥8000	28.5	44.1	46.5	49.9	51.7	52.7	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥7000	28.6	44.3	46.6	50.1	51.9	53.0	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥6000	28.9	44.9	47.2	51.0	52.7	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥5000	30.5	48.2	51.1	55.0	56.9	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥4500	30.7	48.7	51.6	55.5	57.6	58.7	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥4000	33.4	53.7	57.3	61.4	63.5	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥3500	33.8	54.6	58.7	62.9	65.0	66.2	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥3000	37.1	51.4	66.2	71.2	73.5	73.1	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥2500	38.4	54.3	69.5	75.3	78.0	79.5	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥2000	40.1	57.7	73.4	80.2	83.6	85.4	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥1800	40.1	58.1	73.5	81.1	84.5	86.4	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥1500	41.0	70.0	76.2	83.9	88.1	90.2	90.6	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥1200	61.2	70.5	77.1	85.3	89.9	92.2	92.7	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥1000	41.4	71.7	78.5	86.9	91.7	94.2	94.7	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥900	41.4	71.7	78.5	87.1	91.9	94.4	95.0	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥800	41.4	71.9	78.6	87.2	92.3	94.7	95.4	96.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥700	41.4	71.9	78.6	87.3	92.3	94.8	95.5	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥600	41.4	71.9	78.7	87.5	92.6	95.1	95.8	97.1	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥500	41.4	71.9	78.7	87.5	92.7	95.3	96.1	97.7	98.2	98.7	98.9	99.1	99.2	99.2	99.2	99.2
≥400	41.4	71.9	78.7	87.5	92.7	95.4	96.3	98.0	98.5	99.0	99.2	99.5	99.6	99.6	99.6	99.6
≥300	41.4	71.9	78.7	87.5	92.7	95.4	96.3	98.0	98.5	99.0	99.2	99.5	99.6	99.6	99.6	99.6
≥200	41.4	71.9	78.7	87.5	92.7	95.4	96.3	98.0	98.6	99.1	99.3	99.7	99.8	99.8	99.8	99.8
≥100	41.4	71.9	78.7	87.5	92.7	95.4	96.3	98.0	98.6	99.1	99.3	99.7	99.8	99.8	99.8	99.8
0	41.4	71.9	78.7	87.5	92.7	95.4	96.3	98.0	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1475

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1-60-2-1-60

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	6.5	22.1	27.1	31.5	33.4	35.6	36.1	37.5	37.6	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	10.2	29.2	33.7	39.2	42.8	45.5	46.1	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	10.2	29.2	33.7	39.2	42.8	45.5	46.1	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	10.2	29.2	33.7	39.2	42.8	45.5	46.1	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	10.2	29.2	33.7	39.2	42.8	45.5	46.1	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	10.2	29.2	33.7	39.2	42.8	45.5	46.1	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	11.5	32.3	38.3	44.5	48.6	51.5	52.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	11.5	32.3	38.3	44.5	48.6	51.5	52.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	12.1	34.3	40.5	47.2	51.4	54.6	55.4	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	12.1	34.3	40.5	47.2	51.4	54.6	55.4	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	12.4	34.5	41.3	48.1	52.7	56.0	56.7	58.4	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 5000	13.5	37.2	44.2	51.4	56.4	60.1	61.0	62.9	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	13.9	37.9	45.0	52.4	57.5	61.2	62.0	64.0	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	15.3	42.5	50.5	58.7	64.6	69.6	69.7	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3500	15.5	43.6	52.1	60.7	66.6	70.8	71.8	74.0	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000	16.2	46.7	55.8	65.3	71.9	76.5	77.5	79.7	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2500	17.1	48.2	57.7	67.7	74.4	79.2	80.2	82.5	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	17.9	50.1	59.9	70.6	78.0	83.2	84.3	86.7	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	18.0	50.5	60.3	71.5	79.0	84.3	85.4	87.9	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	18.3	51.6	61.6	73.3	81.5	87.1	88.1	91.0	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	18.4	51.9	62.1	74.2	82.4	88.7	89.6	92.7	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	18.4	52.5	63.1	75.3	83.9	90.6	91.5	95.1	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	18.4	52.5	63.1	75.4	84.0	90.6	91.5	95.1	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	18.4	52.7	63.3	75.7	84.4	91.3	92.6	96.3	97.2	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	18.4	52.7	63.3	75.7	84.4	91.4	92.7	96.6	97.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	18.4	52.7	63.3	75.7	84.4	91.4	92.7	96.7	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	18.4	52.7	63.3	75.7	84.4	91.5	92.8	96.8	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	18.4	52.7	63.3	75.7	84.4	91.5	92.8	96.8	98.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	18.4	52.7	63.3	75.7	84.4	91.5	92.8	96.8	98.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	18.4	52.7	63.3	75.7	84.4	91.5	92.8	96.8	98.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	18.4	52.7	63.3	75.7	84.4	91.5	92.8	96.8	98.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	18.4	52.7	63.3	75.7	84.4	91.5	92.8	96.8	98.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 1463

DATA PROCESSING 1-151
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F 5-7

25-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	≥0
NO CEILING	6.9	23.1	27.9	33.3	35.9	27.9	35.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	7.4	26.3	31.5	37.3	40.8	43.1	43.6	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	7.4	26.3	31.5	37.3	40.8	43.1	43.6	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 16000	7.4	26.3	31.5	37.3	40.8	43.1	43.6	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	7.4	26.3	31.5	37.3	41.0	43.3	43.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	7.4	26.3	32.0	38.0	41.6	43.9	44.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000	8.1	28.7	35.1	41.5	45.3	48.0	48.5	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	8.5	30.1	37.0	43.8	48.2	50.9	51.4	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 8000	8.7	30.4	37.6	45.0	49.5	52.3	52.8	55.2	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000	9.0	31.4	38.4	45.6	50.1	52.9	53.4	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	9.9	33.2	40.3	47.5	52.2	55.2	55.7	58.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	11.2	35.2	42.4	50.1	54.2	59.2	59.8	62.4	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	11.6	36.7	44.6	52.4	57.3	60.3	60.9	63.7	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4000	12.6	41.5	50.1	58.3	64.1	67.4	68.0	70.9	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	13.1	42.9	51.9	60.5	66.2	69.3	70.2	73.2	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	13.7	45.3	55.1	64.7	71.3	75.0	75.8	79.1	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	13.9	46.4	56.8	66.8	73.8	77.6	78.6	81.9	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	14.5	48.0	59.1	70.3	77.5	82.0	83.0	86.6	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	14.7	48.4	59.6	71.1	78.5	83.0	84.1	87.7	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	14.7	49.7	61.1	72.1	81.2	86.3	87.3	91.6	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	14.7	50.7	62.2	74.5	82.9	88.2	89.3	93.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	14.9	51.2	63.0	75.4	83.9	89.4	90.5	95.5	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	14.9	51.2	63.0	75.4	83.9	89.4	90.5	95.5	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	14.9	51.3	63.1	75.6	84.4	90.0	91.1	96.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	14.9	51.3	63.1	75.6	84.4	90.0	91.1	96.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	14.9	51.3	63.1	75.6	84.4	90.0	91.1	96.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	14.9	51.3	63.2	75.8	84.8	90.4	91.7	97.2	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	14.9	51.3	63.2	75.8	84.8	90.4	91.7	97.2	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	14.9	51.3	63.3	75.9	84.9	90.5	91.8	97.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	14.9	51.3	63.3	75.9	84.9	90.5	91.8	97.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	14.9	51.3	63.3	75.9	84.9	90.5	91.8	97.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	14.9	51.3	63.3	75.9	84.9	90.5	91.8	97.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1456

DATA PROCESSING 1-1917
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

WLMABEG GPRYA Y/E

55-7

YEAR

22

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	11.0	29.8	33.1	36.7	38.4	39.4	39.5	40.4	40.7	41.0	41.1	41.1	41.1	41.2	41.2	41.3
≥ 20000	13.3	34.3	36.2	42.6	44.4	45.5	45.7	46.8	47.1	47.4	47.5	47.5	47.5	47.6	47.6	47.7
≥ 18000	13.3	34.3	35.2	42.6	44.4	45.5	45.7	46.8	47.1	47.4	47.5	47.5	47.5	47.6	47.6	47.7
IV 16000	13.3	34.3	36.2	42.6	44.5	45.6	45.8	46.9	47.1	47.4	47.6	47.6	47.6	47.6	47.7	47.8
≥ 14000	13.5	34.5	38.5	42.8	44.7	45.8	46.0	47.1	47.4	47.6	47.6	47.6	47.6	47.8	47.8	48.0
IV 12000	13.8	35.4	39.4	43.8	45.8	47.1	47.2	48.4	48.7	49.1	49.1	49.1	49.1	49.2	49.2	49.3
≥ 10000	15.0	39.8	44.1	46.9	50.9	52.6	52.7	54.0	54.2	54.5	54.7	54.7	54.7	54.8	54.8	54.9
IV 10000	17.1	42.0	46.4	51.3	53.3	55.1	55.3	56.5	56.9	57.2	57.3	57.3	57.3	57.4	57.4	57.5
≥ 8000	17.7	43.4	47.8	52.7	54.7	56.6	56.7	58.0	58.3	58.6	58.8	58.8	58.8	58.9	58.9	59.0
IV 8000	18.0	43.8	48.3	53.1	55.2	57.1	57.2	58.5	58.8	59.1	59.2	59.2	59.2	59.4	59.4	59.5
≥ 7000	18.8	46.5	51.1	56.1	58.4	60.4	60.6	61.8	62.2	62.4	62.6	62.6	62.6	62.7	62.7	62.9
IV 6000	20.4	50.4	55.6	60.8	63.3	65.2	65.4	66.7	67.0	67.3	67.5	67.5	67.5	67.6	67.6	67.7
≥ 5000	20.7	50.9	56.1	61.4	64.0	66.0	66.2	67.5	67.9	68.2	68.3	68.3	68.3	68.4	68.4	68.6
IV 4500	22.0	55.8	61.5	67.4	70.7	73.3	73.5	74.6	75.2	75.5	75.6	75.6	75.6	75.7	75.7	75.9
IV 4000	22.5	57.0	62.8	68.8	72.2	74.8	75.0	76.3	76.6	76.9	77.1	77.1	77.1	77.2	77.2	77.3
≥ 3500	23.8	60.7	67.0	73.6	77.2	80.1	80.3	81.8	82.2	82.5	82.6	82.6	82.6	82.8	82.8	82.9
IV 3000	24.2	62.6	69.3	76.6	80.5	83.4	83.7	85.2	85.5	85.8	86.0	86.0	86.0	86.1	86.1	86.2
≥ 2500	24.7	64.9	72.3	80.2	84.1	87.1	87.3	88.9	89.2	89.5	89.6	89.6	89.6	89.8	89.8	89.9
IV 2000	25.0	65.2	72.7	80.7	84.6	87.6	87.8	89.4	89.7	90.0	90.1	90.1	90.1	90.3	90.3	90.4
≥ 1800	25.1	66.3	74.0	82.3	86.5	89.8	90.1	91.7	92.1	92.4	92.5	92.5	92.5	92.6	92.6	92.8
IV 1500	25.3	66.9	74.9	83.4	87.7	91.1	91.4	93.0	93.3	93.6	93.7	93.7	93.7	93.9	93.9	94.0
≥ 1200	25.4	67.5	76.0	84.5	89.1	92.9	93.2	94.9	95.3	95.5	95.7	95.7	95.7	95.8	95.8	96.0
IV 1000	25.4	67.7	76.3	84.8	89.4	93.3	93.5	95.3	95.6	95.9	96.0	96.0	96.0	96.2	96.2	96.3
≥ 900	25.4	67.7	76.4	85.1	90.0	93.9	94.2	96.0	96.4	96.7	96.9	96.9	96.9	97.0	97.0	97.1
IV 800	25.4	67.7	76.6	85.3	90.2	94.1	94.4	96.0	96.4	96.7	96.9	96.9	96.9	97.0	97.0	97.1
≥ 700	25.4	67.9	76.8	85.6	91.0	95.1	95.4	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
IV 600	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
≥ 500	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
IV 400	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
≥ 300	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
IV 200	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
≥ 100	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1
IV 0	25.4	68.1	77.1	86.2	91.4	95.5	95.8	97.0	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.1

TOTAL NUMBER OF OBSERVATIONS 1455

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/40

CEILING VERSUS VISIBILITY

34177

MUNBERG GERMANY/F-87H

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	8.2	20.8	24.1	26.2	30.5	32.3	32.6	34.8	35.2	35.5	35.9	36.2	36.6	36.9	37.4	37.4
≥ 20000	9.5	24.5	28.7	33.3	36.2	38.3	38.5	40.6	41.6	42.7	42.9	43.1	43.2	43.4	43.6	43.7
≥ 18000	9.5	24.5	28.7	33.3	36.2	38.3	38.5	40.6	41.6	42.7	42.9	43.1	43.2	43.4	43.6	43.7
≥ 16000	9.5	24.5	28.7	33.3	36.2	38.3	38.5	40.6	41.6	42.7	42.9	43.1	43.2	43.4	43.6	43.7
≥ 14000	9.6	24.6	28.8	33.4	36.2	38.4	38.7	40.9	41.7	42.2	42.5	42.9	43.2	43.4	43.5	44.1
≥ 12000	9.9	25.6	29.9	34.5	37.6	39.8	40.1	42.3	43.1	43.5	43.9	44.3	44.6	44.8	44.9	45.5
≥ 10000	11.5	29.9	34.6	39.3	42.9	45.5	43.7	48.2	49.0	49.4	49.8	50.1	50.6	50.8	50.8	51.4
≥ 9000	12.2	31.4	36.2	41.0	44.6	47.3	47.6	48.9	50.9	51.3	51.6	52.2	52.6	52.6	52.9	53.4
≥ 8000	12.7	32.4	37.6	42.7	46.8	49.1	49.4	51.7	52.7	53.2	53.6	54.0	54.5	54.7	54.8	55.3
≥ 7000	12.7	32.5	37.8	42.9	46.8	49.4	49.7	52.1	52.9	53.6	53.9	54.3	54.6	55.2	55.1	55.4
≥ 6000	13.3	33.8	39.3	44.6	46.7	51.4	51.7	54.1	55.0	55.7	56.1	56.4	56.9	57.1	57.2	57.8
≥ 5000	14.3	37.1	42.7	48.5	52.7	55.5	55.7	58.3	59.2	59.9	60.3	60.6	61.1	61.3	61.4	62.1
≥ 4500	14.5	37.6	43.4	49.1	53.3	56.1	56.4	58.9	59.9	60.5	60.9	61.2	61.7	62.0	62.0	62.7
≥ 4000	16.7	42.4	49.0	55.2	60.3	63.2	63.5	66.3	67.2	67.9	68.3	68.7	69.2	69.4	69.4	70.1
≥ 3500	16.9	42.9	49.6	56.5	61.2	64.2	64.5	67.3	68.3	69.0	69.4	69.7	70.2	70.4	70.5	71.2
≥ 3000	18.2	46.0	53.2	60.1	65.9	69.0	69.3	72.4	73.4	74.1	74.5	74.9	75.4	75.6	75.7	76.4
≥ 2500	18.9	47.8	55.4	63.1	69.1	72.3	72.6	75.9	76.9	77.6	78.0	78.4	78.9	79.1	79.2	79.9
≥ 2000	19.7	49.7	57.6	65.8	72.2	73.7	73.9	79.4	80.5	81.2	81.7	82.2	82.6	83.1	83.4	84.1
≥ 1800	19.8	50.1	58.3	66.4	72.8	76.2	76.5	80.0	81.0	81.7	82.2	82.6	83.1	83.3	83.4	84.1
≥ 1500	20.1	50.8	59.4	68.0	74.5	78.2	78.3	82.2	83.2	84.0	84.5	84.6	85.3	85.5	85.6	86.4
≥ 1200	20.2	51.6	60.6	69.7	76.2	80.0	80.3	84.3	85.3	86.2	86.9	87.2	87.7	88.0	88.0	88.8
≥ 1000	20.2	52.3	61.5	71.2	78.1	82.3	82.7	87.3	88.5	89.4	90.0	90.3	90.8	91.1	91.2	92.0
≥ 900	20.2	52.6	61.8	71.5	78.6	82.8	83.1	87.8	89.0	89.9	90.5	90.8	91.3	91.6	91.7	92.5
≥ 800	20.2	52.8	62.2	72.4	79.9	84.1	84.3	89.4	90.6	91.7	92.3	92.7	93.1	93.4	93.5	94.3
≥ 700	20.2	52.9	62.4	72.9	80.3	84.8	85.2	90.2	91.5	92.6	93.2	93.6	94.1	94.3	94.4	95.2
≥ 600	20.2	52.9	62.4	73.4	81.1	85.6	86.0	91.1	92.3	93.6	94.2	94.5	95.0	95.3	95.4	96.2
≥ 500	20.2	53.0	62.5	73.6	81.7	86.6	87.1	92.4	93.6	94.9	95.5	95.9	96.4	96.6	96.7	97.5
≥ 400	20.2	53.1	62.6	73.7	81.7	86.8	87.3	92.9	94.1	95.5	96.2	96.6	97.1	97.3	97.4	98.3
≥ 300	20.2	53.1	62.6	73.7	81.7	86.8	87.3	92.9	94.1	95.5	96.2	96.6	97.1	97.3	97.4	98.3
≥ 200	20.2	53.1	62.6	73.7	81.7	86.8	87.3	92.9	94.1	95.5	96.2	96.6	97.1	97.3	97.4	98.3
≥ 100	20.2	53.1	62.6	73.7	81.7	86.8	87.3	92.9	94.1	95.5	96.2	96.6	97.1	97.3	97.4	98.3
≥ 0	20.2	53.1	62.6	73.7	81.7	86.8	87.3	92.9	94.1	95.5	96.2	96.6	97.1	97.3	97.4	98.3

TOTAL NUMBER OF OBSERVATIONS 143

DATA PROCESSING 11 1917
USAF ETAC
AIR WEATHER SERVICE/

CEILING VERSUS VISIBILITY

34177 WPAFB GERMANY/

55-1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	6.8	15.4	19.2	22.8	25.3	27.9	28.4	29.6	30.2	31.9	31.0	31.7	31.2	31.2	31.2	31.2
≥ 20000	9.5	21.5	25.4	30.9	35.2	37.6	38.3	40.4	40.9	41.8	41.7	41.7	41.8	41.9	42.3	42.2
≥ 18000	9.5	21.5	25.4	30.9	35.2	37.6	38.3	40.4	40.9	41.8	41.7	41.7	41.8	41.9	42.3	42.2
≥ 16000	9.5	21.5	25.4	30.9	35.2	37.6	38.3	40.4	40.9	41.8	41.7	41.7	41.8	41.9	42.3	42.2
≥ 14000	9.5	21.5	25.4	30.9	35.2	37.6	38.3	40.4	40.9	41.8	41.7	41.7	41.8	41.9	42.3	42.2
≥ 12000	9.5	21.5	25.4	30.9	35.2	37.6	38.3	40.4	40.9	41.8	41.7	41.7	41.8	41.9	42.3	42.2
≥ 10000	11.4	25.4	30.2	36.4	41.4	44.1	45.0	47.2	47.7	48.4	48.5	48.5	48.6	48.7	48.8	49.1
≥ 9000	12.2	26.7	31.8	38.2	43.4	46.2	47.2	49.5	50.1	50.8	50.9	50.9	51.0	51.1	51.2	51.4
≥ 8000	12.6	27.0	32.9	39.4	44.8	47.9	48.9	51.4	52.0	52.7	52.8	52.8	53.0	53.1	53.1	53.4
≥ 7000	12.8	27.5	33.3	40.1	45.5	48.6	49.6	52.2	52.8	53.5	53.6	53.6	53.8	53.9	53.9	54.2
≥ 6000	13.1	28.6	34.1	41.3	47.0	50.5	51.4	54.3	54.9	55.4	55.9	55.9	56.0	56.1	56.2	56.5
≥ 5000	14.0	30.7	36.6	44.4	50.4	54.0	55.2	57.9	58.5	59.2	59.4	59.4	59.6	59.7	59.8	60.1
≥ 4500	14.0	30.7	36.6	44.4	50.4	54.0	55.2	57.9	58.5	59.2	59.4	59.4	59.6	59.7	59.8	60.1
≥ 4000	15.6	34.0	40.4	49.0	58.9	60.8	60.8	64.0	64.7	65.5	65.6	65.6	65.9	66.3	66.1	66.4
≥ 3500	15.9	34.5	41.4	50.5	61.1	60.8	62.0	65.2	65.8	66.7	66.9	66.9	67.1	67.2	67.3	67.4
≥ 3000	17.2	37.3	44.5	54.5	62.1	66.2	67.4	71.0	71.6	72.7	73.0	73.1	73.1	73.3	73.3	73.4
≥ 2500	18.0	38.3	45.9	56.4	64.4	68.6	70.0	73.5	74.3	75.2	75.3	75.3	75.6	75.6	75.9	76.1
≥ 2000	18.8	40.6	48.4	59.5	68.3	72.6	74.0	77.7	78.5	79.4	79.9	79.9	80.1	80.2	80.3	80.6
≥ 1800	18.9	40.5	48.7	59.5	68.7	73.1	74.4	78.1	78.9	79.8	80.4	80.4	80.5	80.6	80.7	81.1
≥ 1500	19.5	42.2	51.7	63.5	72.7	77.3	78.6	82.9	83.7	84.6	85.2	85.2	85.3	85.5	85.5	85.8
≥ 1200	19.9	43.9	52.0	64.8	74.4	79.1	80.6	84.7	85.5	86.5	87.2	87.2	87.2	87.3	87.4	87.8
≥ 1000	19.9	44.1	53.3	66.2	76.1	81.1	82.6	87.1	88.3	89.2	89.8	89.8	89.9	90.1	90.2	90.5
≥ 900	19.9	44.1	53.3	66.5	76.5	81.5	83.0	87.5	88.7	89.7	90.5	90.5	90.6	90.8	90.9	91.2
≥ 800	19.9	44.4	53.8	67.4	77.7	83.0	84.5	89.0	90.7	91.7	92.3	92.3	92.4	92.6	92.7	93.0
≥ 700	19.9	44.5	54.1	67.9	78.7	84.1	85.6	90.0	92.1	93.1	93.7	93.7	93.8	94.0	94.1	94.5
≥ 600	19.9	44.4	54.2	68.1	78.8	84.5	86.0	90.4	92.5	93.5	94.0	94.0	94.1	94.3	94.3	94.8
≥ 500	19.9	44.5	54.2	68.1	79.2	85.0	86.5	90.9	93.0	94.0	94.5	94.5	94.6	94.8	94.8	95.3
≥ 400	19.9	44.6	54.2	68.1	79.2	85.2	86.7	91.1	93.2	94.2	94.7	94.7	94.8	95.0	95.0	95.5
≥ 300	19.9	44.6	54.3	68.1	79.3	85.3	86.8	91.2	93.3	94.3	94.8	94.8	94.9	95.1	95.1	95.6
≥ 200	19.9	44.6	54.3	68.1	79.3	85.3	86.8	91.2	93.3	94.3	94.8	94.8	94.9	95.1	95.1	95.6
≥ 100	19.9	44.6	54.3	68.1	79.3	85.3	86.8	91.2	93.3	94.3	94.8	94.8	94.9	95.1	95.1	95.6
≥ 0	19.9	44.6	54.3	68.1	79.3	85.3	86.8	91.2	93.3	94.3	94.8	94.8	94.9	95.1	95.1	95.6

TOTAL NUMBER OF OBSERVATIONS 1425

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 WURNBERG GERMANY/F-1E

25-7-

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .025	≥ 0
NO CEILING	15.9	22.9	24.6	26.1	36.9	27.0	27.3	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 20000	21.7	21.5	23.5	35.3	36.8	37.1	17.3	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 18000	21.7	31.5	33.5	35.3	36.8	37.3	37.3	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 16000	21.7	31.5	33.5	35.3	36.8	37.3	37.3	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 14000	21.8	31.7	33.8	36.0	37.1	37.6	37.6	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 12000	22.1	32.0	34.0	36.3	37.3	37.9	37.9	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 10000	24.4	35.4	37.8	40.2	41.3	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 9000	25.3	37.3	39.9	42.6	43.9	44.5	44.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000	25.6	37.9	40.8	43.5	44.8	45.6	45.7	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 7000	25.6	38.0	41.0	43.7	45.1	46.0	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	25.9	38.6	41.9	44.6	46.2	47.0	47.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 5000	27.1	40.8	44.3	47.3	48.9	49.8	49.9	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 4500	27.1	40.8	44.4	47.4	49.1	49.9	50.0	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 4000	29.5	44.8	49.1	52.2	54.0	54.9	55.0	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3500	29.6	45.5	49.9	53.3	55.2	56.1	56.2	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3000	34.1	52.6	57.4	61.5	63.4	64.3	64.7	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2500	38.4	59.6	64.6	68.5	71.1	72.2	72.4	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2000	42.6	66.5	71.7	75.8	79.2	80.4	80.8	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	42.9	67.4	72.7	77.0	80.4	81.6	82.0	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1500	44.4	71.3	77.3	83.2	85.9	87.4	87.9	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1200	44.7	72.2	78.5	84.6	87.4	89.0	89.5	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	44.9	73.1	79.9	86.9	90.2	91.9	92.6	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	44.9	73.1	80.0	87.0	90.3	92.0	92.8	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	44.9	73.1	80.1	87.4	91.0	92.8	93.5	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700	45.0	73.3	80.5	88.3	92.0	93.9	94.7	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	45.1	73.5	80.6	88.6	92.7	94.7	95.6	97.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	45.1	73.7	80.9	89.9	93.3	95.6	96.5	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	45.1	73.7	80.9	89.9	93.3	95.6	96.5	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	45.1	73.7	80.9	89.9	93.3	95.6	96.5	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	45.1	73.7	80.9	89.9	93.3	95.6	96.5	98.4	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	45.1	73.7	80.9	89.9	93.3	95.6	96.5	98.4	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	45.1	73.7	80.9	89.9	93.3	95.6	96.5	98.4	98.8	99.4	99.5	99.5	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1425

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/ MC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F.R.G.

25-7

2

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

25-14

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	22.0	25.6	25.9	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 20000	31.2	36.7	37.7	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 18000	31.2	36.7	37.7	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 16000	31.2	36.7	37.7	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 14000	31.6	37.0	38.0	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	32.2	37.9	38.9	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 10000	34.9	41.3	42.3	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 9000	36.0	42.2	43.3	44.8	44.8	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 8000	36.6	44.2	45.4	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 7000	36.7	44.5	45.7	46.4	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 6000	37.9	45.8	47.1	47.8	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 5000	41.2	49.7	51.0	51.8	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 4500	41.6	50.8	51.5	52.7	52.9	53.3	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 4000	48.2	59.4	60.9	61.9	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 3500	49.7	61.4	63.0	64.0	64.2	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3000	56.4	71.2	72.7	73.9	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	60.8	77.4	79.2	80.6	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2000	65.2	83.1	85.4	87.3	87.8	88.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800	65.2	85.2	85.7	87.6	88.1	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	66.6	86.1	86.8	90.7	91.4	92.1	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	66.7	87.5	90.2	92.4	93.4	94.1	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	67.0	88.4	91.5	94.3	95.6	96.3	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	67.0	88.5	91.6	94.4	95.8	96.6	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	67.1	88.8	92.0	95.1	96.4	97.3	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	67.1	88.9	92.1	95.2	96.6	97.5	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	67.1	89.0	92.2	95.3	96.9	97.9	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	67.1	89.1	92.3	95.5	97.1	98.1	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	67.1	89.1	92.3	95.5	97.2	98.3	98.8	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	67.1	89.1	92.3	95.5	97.2	98.3	98.8	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	67.1	89.1	92.3	95.5	97.2	98.3	98.8	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	67.1	89.1	92.3	95.5	97.2	98.3	98.8	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	67.1	89.1	92.3	95.5	97.2	98.3	98.8	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMA V/F RTM

55-7

7482

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25 to	≥.2	≥0
NO CEILING	26.0	28.5	28.7	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 20000	39.0	42.4	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 18000	39.0	42.4	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 16000	39.0	42.4	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000	39.5	44.2	44.7	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 12000	40.3	44.9	45.4	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 10000	45.4	50.5	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 9000	47.2	53.5	54.1	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	47.7	54.5	55.0	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 7000	46.0	53.0	55.6	56.3	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 6000	50.4	58.0	58.6	59.5	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 5000	54.6	62.9	63.5	64.5	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 4500	54.9	63.4	63.9	65.0	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4000	60.6	71.1	72.0	73.1	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	61.6	72.6	73.5	74.5	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 2500	66.4	79.4	80.4	82.1	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	68.5	82.6	83.6	85.4	86.7	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	71.3	85.6	86.1	90.4	91.8	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	71.6	86.8	88.3	96.7	92.2	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	72.1	88.5	90.3	93.0	94.7	95.4	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	72.3	89.1	91.0	93.7	95.7	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 800	72.4	89.3	91.7	94.7	96.7	97.4	97.5	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	72.4	89.5	92.0	95.1	97.1	97.8	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	72.5	89.7	92.2	95.3	97.3	98.0	98.2	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	72.5	89.8	92.3	95.6	98.0	98.8	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	72.5	89.8	92.3	95.6	98.0	98.8	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	72.5	89.8	92.3	95.6	98.0	98.8	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 14

DATA PROCESSING 1151
 USAF ETAC
 AIR WEATHER SERVICE/ A3

CEILING VERSUS VISIBILITY

34177

MURNEERS GERNA Y/F 47

12-71

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1425

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.015	≥0.01
NO CEILING	22.2	32.5	33.6	35.4	26.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 20000	29.2	43.2	45.2	47.3	46.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	29.3	43.3	45.2	47.3	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	29.3	43.3	45.2	47.3	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	29.5	43.3	45.4	47.5	48.6	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2
≥ 12000	30.2	44.8	47.0	49.6	50.7	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 10000	33.3	49.6	52.4	55.0	56.2	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	35.1	52.9	56.0	58.8	60.1	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 8000	35.6	54.4	57.5	60.5	61.8	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	36.0	54.8	58.0	61.0	62.5	63.1	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	37.3	57.2	60.6	63.8	65.2	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	39.7	61.6	65.2	69.1	70.7	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4500	40.3	62.3	66.3	69.9	71.5	72.3	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	44.3	68.4	73.1	77.0	78.6	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	44.8	69.2	74.0	78.0	79.8	80.3	80.6	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	46.2	72.8	78.1	82.3	84.3	85.6	85.6	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	46.7	75.3	81.0	85.2	87.3	88.6	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	47.3	76.5	82.7	88.1	90.5	92.0	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	47.3	76.8	82.9	88.3	91.0	92.3	92.4	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	47.8	77.8	84.3	90.1	93.0	94.5	94.7	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	47.8	78.0	84.7	90.8	93.8	95.4	95.6	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	47.9	78.2	85.1	91.3	95.0	96.7	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	47.9	78.3	85.1	91.3	95.0	96.7	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	47.9	78.3	85.1	91.7	95.2	97.1	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	47.9	78.3	85.1	91.8	95.3	97.3	97.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	47.9	78.3	85.2	91.9	95.6	97.7	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	47.9	78.3	85.2	91.9	95.8	97.9	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	47.9	78.3	85.2	91.9	95.8	97.9	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	47.9	78.3	85.2	91.9	95.8	97.9	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	47.9	78.3	85.2	91.9	95.8	97.9	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	47.9	78.3	85.2	91.9	95.8	97.9	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	47.9	78.3	85.2	91.9	95.8	97.9	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1425

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4C

CEILING VERSUS VISIBILITY

34177 NURNBERG GER 5/5 87

55-71

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING	18.4	33.5	37.1	35.2	40.5	41.2	41.2	41.5	41.9	41.9	42.1	42.1	42.1	42.1	42.2	42.2
≥ 20000	20.6	39.1	43.4	45.2	47.6	48.3	48.3	49.7	49.2	49.2	49.3	49.4	49.4	49.4	49.5	49.6
≥ 18000	20.8	39.1	43.4	46.2	47.6	48.3	48.3	49.0	49.2	49.2	49.3	49.4	49.4	49.4	49.5	49.8
≥ 16000	20.5	39.1	45.4	46.2	47.6	48.3	48.3	49.7	49.2	49.2	49.3	49.4	49.4	49.4	49.5	49.5
≥ 14000	21.2	39.4	43.7	46.6	48.3	48.6	48.7	49.3	49.3	49.6	49.7	49.7	49.8	49.8	49.9	49.9
≥ 12000	21.7	40.3	44.5	47.6	49.0	49.7	49.7	50.3	50.6	50.6	50.7	50.8	50.8	50.8	50.9	51.1
≥ 10000	24.3	44.8	50.1	53.3	54.8	55.7	55.8	56.6	56.8	57.0	57.1	57.2	57.2	57.2	57.3	57.4
≥ 9000	25.3	47.6	53.2	56.4	57.9	58.6	58.9	59.8	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5
≥ 8000	26.3	49.4	55.1	58.4	60.0	61.1	61.1	62.3	62.3	62.5	62.5	62.6	62.6	62.7	62.7	62.8
≥ 7000	26.9	50.4	56.1	59.4	61.0	62.0	62.1	63.3	63.2	63.4	63.5	63.5	63.6	63.6	63.7	63.8
≥ 6000	28.0	53.8	59.7	63.2	64.8	65.8	65.9	66.8	67.0	67.2	67.3	67.3	67.4	67.4	67.5	67.5
≥ 5000	30.2	58.7	64.9	68.7	70.4	71.4	71.5	72.4	72.6	72.8	72.9	73.1	73.1	73.1	73.2	73.3
≥ 4500	30.6	59.5	65.9	69.9	71.6	72.5	72.7	73.6	73.8	74.0	74.1	74.2	74.2	74.2	74.4	74.4
≥ 4000	33.1	65.5	73.2	77.5	79.4	80.6	80.8	81.7	81.9	82.1	82.2	82.2	82.3	82.3	82.5	82.5
≥ 3500	33.2	66.2	73.9	78.2	80.1	81.3	81.5	82.4	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.2
≥ 3000	34.1	69.2	77.4	81.9	84.2	85.7	85.9	86.8	87.1	87.3	87.3	87.4	87.5	87.5	87.6	87.7
≥ 2500	34.3	71.0	79.7	84.4	86.9	88.3	88.9	89.8	90.1	90.3	90.4	90.5	90.5	90.5	90.7	90.7
≥ 2000	35.1	72.7	81.7	87.0	89.6	91.2	91.6	92.5	92.8	93.1	93.2	93.2	93.3	93.3	93.5	93.5
≥ 1800	35.3	75.2	82.2	87.6	90.3	92.1	92.4	93.4	93.7	93.9	94.0	94.1	94.2	94.2	94.3	94.4
≥ 1500	35.3	73.7	82.9	88.6	91.4	93.0	93.4	94.4	94.6	94.9	95.0	95.1	95.1	95.1	95.3	95.3
≥ 1200	35.3	74.3	83.6	89.5	92.5	94.1	94.4	95.4	95.7	96.0	96.0	96.1	96.2	96.2	96.3	96.4
≥ 1000	35.2	74.6	84.0	90.2	93.2	95.0	95.3	96.3	96.6	96.9	97.0	97.1	97.1	97.1	97.2	97.3
≥ 900	35.3	74.7	84.1	90.3	93.6	95.3	95.7	96.7	96.9	97.2	97.3	97.4	97.4	97.4	97.6	97.6
≥ 800	35.3	74.8	84.4	90.8	93.9	95.6	96.0	97.3	97.6	97.8	97.9	98.0	98.1	98.1	98.2	98.3
≥ 700	35.4	76.9	84.5	90.3	94.2	95.4	96.7	97.7	98.0	98.3	98.3	98.4	98.5	98.5	98.7	98.7
≥ 600	35.4	74.9	84.5	91.0	94.5	96.7	97.0	98.0	98.3	98.7	98.8	98.9	99.0	99.0	99.1	99.2
≥ 500	35.4	74.9	84.6	91.2	94.5	96.9	97.2	98.5	98.5	99.0	99.1	99.2	99.2	99.2	99.4	99.4
≥ 400	35.1	74.9	84.6	91.2	94.6	96.9	97.2	98.3	98.5	99.0	99.3	99.4	99.4	99.4	99.6	99.7
≥ 300	35.4	74.9	84.6	91.2	94.6	97.0	97.4	98.4	98.7	99.2	99.4	99.5	99.5	99.6	99.7	99.8
≥ 200	35.4	74.9	84.6	91.2	94.6	97.0	97.4	98.4	98.7	99.2	99.4	99.5	99.5	99.7	99.7	99.9
≥ 100	35.1	74.9	84.6	91.2	94.6	97.0	97.4	98.4	98.7	99.2	99.4	99.5	99.5	99.7	99.7	99.9
≥ 0	35.4	74.9	84.6	91.2	94.6	97.0	97.4	98.4	98.7	99.2	99.4	99.5	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1436

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NUREMBERG GERMANY RT-

55-7

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥	≥0
NO CEILING	17.1	35.5	59.1	42.7	44.6	45.2	45.4	46.2	46.6	46.7	46.7	46.9	47.1	47.2	47.2	47.2
≥ 20000	12.5	39.4	42.4	47.2	49.5	50.1	50.3	51.1	51.5	51.6	51.6	52.0	52.2	52.2	52.3	52.3
≥ 18000	18.5	39.4	43.4	47.2	49.5	50.1	50.3	51.1	51.5	51.6	51.6	52.0	52.2	52.2	52.3	52.3
IV 16000	18.5	39.4	43.4	47.2	49.5	50.1	50.3	51.1	51.5	51.7	51.7	52.0	52.2	52.2	52.4	52.4
IV 14000	18.5	39.5	43.5	47.4	49.6	50.3	50.4	51.2	51.7	51.8	51.8	52.2	52.4	52.5	52.5	52.5
IV 12000	18.5	40.0	44.1	47.3	50.1	50.8	50.9	51.8	52.3	52.4	52.4	52.8	53.0	53.1	53.1	53.1
IV 10000	20.4	43.9	48.5	52.7	55.4	56.2	56.3	57.3	57.9	58.0	58.0	58.4	58.6	58.7	58.7	58.7
IV 9000	21.4	46.2	51.1	55.3	58.2	59.0	59.2	60.2	60.8	60.9	60.9	61.3	61.5	61.6	61.6	61.6
IV 8000	22.5	48.3	53.4	57.5	60.6	61.5	61.7	62.9	63.5	63.6	63.6	63.9	64.2	64.3	64.3	64.3
IV 7000	23.1	49.3	54.4	58.6	61.7	62.7	62.9	64.0	64.6	64.8	64.8	65.1	65.3	65.4	65.4	65.4
IV 6000	23.9	52.0	57.4	61.9	65.2	66.3	66.5	67.7	68.3	68.4	68.4	68.7	68.9	69.1	69.1	69.1
IV 5000	25.9	57.4	63.5	68.5	71.7	72.9	73.1	74.3	74.9	75.0	75.0	75.3	75.5	75.7	75.7	75.7
IV 4500	26.3	58.4	64.5	69.5	72.8	74.0	74.2	75.3	75.9	76.1	76.1	76.4	76.6	76.8	76.8	76.8
IV 4000	26.2	62.5	69.2	74.6	78.0	79.4	79.6	80.8	81.3	81.6	81.6	81.9	82.1	82.3	82.3	82.3
IV 3500	28.9	69.7	76.4	81.8	85.2	86.5	86.7	87.9	88.5	88.7	88.7	89.0	89.2	89.4	89.4	89.4
IV 3000	29.9	63.3	73.6	79.2	82.8	84.5	84.7	85.9	86.6	86.7	86.7	87.1	87.3	87.4	87.4	87.4
IV 2500	30.5	67.7	75.0	80.9	84.7	86.5	86.7	87.9	88.5	88.7	88.7	89.0	89.2	89.4	89.4	89.4
IV 2000	30.9	69.1	76.5	83.0	87.0	89.1	89.3	90.6	91.4	91.6	91.6	91.9	92.1	92.3	92.3	92.3
IV 1800	31.0	69.5	77.2	83.8	87.7	89.6	89.8	91.4	92.2	92.3	92.3	92.7	92.9	93.0	93.0	93.0
IV 1500	31.0	69.9	77.7	84.4	88.4	90.6	90.8	92.1	93.0	93.1	93.1	93.3	93.7	93.8	93.8	93.8
IV 1200	31.2	70.6	78.6	85.3	89.4	91.8	92.0	93.4	94.3	94.4	94.4	94.7	94.9	95.1	95.1	95.1
IV 1000	31.4	71.4	79.5	86.6	90.8	93.3	93.5	94.8	95.7	95.8	95.8	96.2	96.4	96.5	96.5	96.5
IV 900	31.4	71.6	79.8	86.9	91.2	93.6	93.8	95.1	96.0	96.2	96.2	96.5	96.7	96.8	96.8	96.8
IV 800	31.5	72.1	80.3	87.7	92.0	94.5	94.7	96.0	96.9	97.0	97.0	97.4	97.6	97.7	97.7	97.7
IV 700	31.5	72.1	80.3	87.7	92.1	94.5	94.8	96.3	97.2	97.3	97.3	97.6	97.8	98.0	98.0	98.0
IV 600	31.6	72.2	80.5	88.0	92.5	95.1	95.3	96.8	97.6	97.8	97.8	98.1	98.3	98.5	98.5	98.5
IV 500	31.5	72.2	80.5	88.1	92.7	95.2	95.4	97.0	98.0	98.2	98.2	98.6	98.8	98.9	98.9	98.9
IV 400	31.6	72.2	80.5	88.1	92.9	95.4	95.6	97.3	98.4	98.7	98.7	99.1	99.2	99.3	99.3	99.3
IV 300	31.6	72.2	80.5	88.1	92.9	95.4	95.6	97.4	98.5	98.7	98.8	99.1	99.3	99.5	99.5	99.5
IV 200	31.6	72.2	80.5	88.1	92.9	95.4	95.6	97.4	98.5	98.7	98.8	99.1	99.3	99.5	99.5	99.5
IV 100	31.6	72.2	80.5	88.1	92.9	95.4	95.6	97.4	98.5	98.7	98.8	99.1	99.3	99.5	99.5	99.5
IV 0	31.6	72.2	80.5	88.1	92.9	95.4	95.6	97.4	98.5	98.7	98.8	99.2	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1484

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/4C

CEILING VERSUS VISIBILITY

34177

MUNICH GERMANY/FORT

3572

TAF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	9.9	21.9	25.2	29.8	32.9	34.8	35.1	36.6	37.4	37.9	38.2	38.4	38.5	38.8	38.8	39.4
≥ 20000	12.2	27.0	31.1	36.2	39.8	42.0	42.3	43.9	44.8	45.3	45.7	45.7	46.0	46.2	46.3	46.5
≥ 18000	12.2	27.0	31.2	36.3	39.9	42.0	42.4	44.1	44.9	45.4	45.8	46.0	46.0	46.3	46.4	47.1
IV 16000	12.2	27.0	31.2	36.3	39.9	42.0	42.4	44.1	44.9	45.4	45.8	46.0	46.0	46.3	46.4	47.1
≥ 14000	12.2	27.0	31.2	36.3	39.9	42.1	42.4	44.1	44.9	45.5	45.8	46.0	46.1	46.4	46.4	47.1
IV 12000	12.6	27.5	31.7	36.9	40.6	42.8	43.1	44.2	45.7	46.2	46.6	46.8	46.3	47.1	47.2	47.9
≥ 10000	14.1	30.7	35.0	40.7	45.1	47.6	47.9	49.6	50.5	51.1	51.4	51.6	51.7	51.9	52.1	52.7
IV 9000	15.5	33.5	38.2	44.1	48.7	51.3	51.6	53.4	54.2	54.8	55.2	55.4	55.5	55.7	55.9	56.6
IV 8000	16.2	34.9	39.7	45.8	50.7	53.2	53.6	55.3	56.7	57.2	57.6	57.8	57.9	58.2	58.3	59.0
IV 7000	16.5	35.2	40.1	46.1	51.1	53.6	53.9	55.8	57.0	57.6	58.0	58.2	58.2	58.5	58.7	59.2
IV 6000	17.7	37.5	42.6	48.9	54.2	56.8	57.1	59.1	60.4	61.0	61.4	61.6	61.7	62.0	62.1	62.8
IV 5000	18.5	40.5	46.5	53.6	59.1	61.8	62.2	64.6	66.0	66.7	67.2	67.4	67.5	67.9	67.9	68.4
IV 4500	18.8	41.0	47.0	54.2	59.8	62.5	62.9	65.4	66.7	67.5	68.0	68.2	68.2	68.5	68.5	69.3
IV 4000	20.7	44.7	51.4	59.3	65.0	68.2	68.8	71.7	73.2	74.0	74.5	74.7	75.0	75.0	75.2	75.9
≥ 3500	20.8	45.7	52.5	60.5	66.3	69.5	70.1	73.0	74.5	75.3	75.8	76.0	76.0	76.3	76.4	77.1
IV 3000	22.7	49.3	56.4	65.1	71.4	74.7	75.4	78.4	80.0	80.9	81.4	81.6	81.7	81.9	82.1	82.8
≥ 2500	23.4	50.5	57.6	66.6	73.0	76.3	77.0	80.1	81.7	82.7	83.2	83.4	83.4	83.6	83.9	84.6
IV 2000	23.8	51.9	59.2	68.4	74.9	78.3	79.1	82.4	84.1	85.1	85.6	85.8	85.9	86.2	86.4	87.1
≥ 1800	24.2	52.5	59.7	69.0	75.4	78.9	79.6	83.0	84.7	85.9	86.2	86.4	86.4	86.6	86.9	87.6
IV 1500	24.3	53.6	61.1	70.6	77.7	81.2	82.1	85.7	87.6	88.7	89.3	89.6	89.7	90.0	90.2	90.8
≥ 1200	24.4	54.1	61.5	71.4	78.5	82.3	83.1	86.9	88.8	89.9	90.4	90.8	90.8	91.2	91.3	92.0
IV 1000	24.6	55.2	62.9	73.3	80.6	84.6	85.5	89.4	91.6	92.8	93.4	93.8	93.9	94.2	94.4	95.0
IV 900	24.6	55.2	62.9	73.3	80.6	84.6	85.5	89.4	91.6	92.8	93.4	93.8	93.9	94.2	94.4	95.0
IV 800	24.6	55.2	62.9	73.3	80.6	84.6	85.5	89.4	91.6	92.8	93.4	93.8	93.9	94.2	94.4	95.0
IV 700	24.6	55.2	62.9	73.3	80.6	84.6	85.5	89.4	91.6	92.8	93.4	93.8	93.9	94.2	94.4	95.0
IV 600	24.7	55.5	63.3	74.3	82.0	86.2	87.1	91.4	93.8	94.9	95.5	96.1	96.1	96.5	96.6	97.2
≥ 500	24.7	55.6	63.3	74.3	82.2	86.5	87.4	91.9	94.2	95.5	96.1	96.6	96.7	97.0	97.1	97.8
IV 400	24.7	55.6	63.3	74.3	82.2	86.5	87.4	91.9	94.2	95.5	96.1	96.6	96.7	97.0	97.1	97.8
IV 300	24.7	55.6	63.3	74.3	82.2	86.5	87.4	91.9	94.2	95.5	96.1	96.6	96.7	97.0	97.1	97.8
IV 200	24.7	55.6	63.3	74.3	82.2	86.5	87.4	91.9	94.2	95.5	96.1	96.6	96.7	97.0	97.1	97.8
IV 100	24.7	55.6	63.3	74.3	82.2	86.5	87.4	91.9	94.2	95.5	96.1	96.6	96.7	97.0	97.1	97.8
IV 0	24.7	55.6	63.3	74.3	82.2	86.5	87.4	91.9	94.2	95.5	96.1	96.6	96.7	97.0	97.1	97.8

TOTAL NUMBER OF OBSERVATIONS 1473

DATA PROCESSING UNIT
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

MUNICH GERMANY V/F RTH

25-71

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.1	≥.05	≥.02	≥.01
NO CEILING	11.4	20.2	29.8	26.7	29.2	30.5	31.0	31.4	31.6	31.7	32.0	32.1	32.2	32.2	32.2	32.2
≥ 20000	14.9	26.6	33.2	37.1	40.5	41.8	42.2	42.7	42.9	43.1	43.2	43.3	43.5	43.6	43.6	43.6
≥ 18000	15.2	26.6	33.3	37.1	40.5	41.8	42.3	42.8	43.0	43.1	43.4	43.6	43.6	43.7	43.7	43.7
≥ 16000	15.2	26.6	33.3	37.1	40.5	41.8	42.3	42.8	43.0	43.1	43.4	43.6	43.6	43.7	43.7	43.7
≥ 14000	15.1	26.9	33.5	37.5	40.9	42.2	42.7	43.2	43.4	43.5	43.8	43.9	44.0	44.1	44.1	44.1
≥ 12000	15.2	27.3	33.9	38.0	41.5	42.3	42.2	43.7	43.9	44.1	44.3	44.3	44.5	44.5	44.6	44.6
≥ 10000	17.5	33.7	38.6	43.4	47.1	48.8	49.4	49.9	50.1	50.2	50.5	50.5	50.7	50.8	50.8	51.1
≥ 9000	18.7	36.5	41.6	47.0	50.9	53.0	53.7	54.3	54.5	54.7	54.9	54.9	55.1	55.2	55.2	55.2
≥ 8000	19.5	37.7	43.1	48.7	52.8	54.9	55.6	56.2	56.5	56.6	56.9	56.9	57.1	57.2	57.2	57.4
≥ 7000	19.6	38.0	43.4	49.0	53.2	55.3	56.0	56.7	57.0	57.1	57.4	57.4	57.6	57.6	57.6	57.6
≥ 6000	20.3	39.6	45.2	51.3	55.9	58.0	58.8	59.6	59.9	60.1	60.4	60.4	60.6	60.6	60.6	60.8
≥ 5000	22.2	43.2	48.4	55.2	61.2	63.5	64.5	65.5	65.9	66.1	66.4	66.6	66.6	66.7	66.7	66.9
≥ 4500	22.3	43.4	49.5	56.6	61.6	64.0	64.9	66.1	66.3	66.6	66.9	66.9	67.1	67.1	67.1	67.3
≥ 4000	24.7	47.5	54.5	62.1	67.3	69.9	70.9	72.2	72.6	72.9	73.2	73.2	73.4	73.5	73.5	73.7
≥ 3500	25.2	48.3	55.5	63.0	68.3	71.0	72.0	73.4	73.8	74.1	74.3	74.3	74.5	74.6	74.6	74.8
≥ 3000	26.7	51.1	58.7	67.3	72.8	75.8	76.8	78.2	78.8	79.0	79.2	79.2	79.5	79.6	79.6	79.8
≥ 2500	27.5	52.5	60.5	69.3	74.9	78.0	79.2	80.7	81.2	81.6	82.1	82.1	82.3	82.3	82.3	82.4
≥ 2000	29.0	55.3	63.4	72.7	78.4	81.5	82.7	84.3	84.8	85.3	85.7	85.7	85.9	86.0	86.0	86.2
≥ 1800	29.2	55.7	63.7	73.1	78.8	81.9	83.1	84.7	85.2	85.7	86.2	86.2	86.4	86.4	86.4	86.6
≥ 1500	29.7	57.6	66.0	75.7	81.7	84.9	86.0	87.7	88.2	88.7	89.2	89.2	89.4	89.5	89.5	89.7
≥ 1200	29.9	58.5	66.9	76.8	83.1	86.3	87.5	89.2	89.7	90.3	90.8	90.8	91.0	91.1	91.1	91.2
≥ 1000	30.0	59.2	68.1	78.3	84.9	88.3	89.6	91.7	92.3	92.9	93.3	93.3	93.6	93.6	93.6	93.8
≥ 900	30.0	59.2	68.2	78.4	84.9	88.3	89.7	91.8	92.3	92.9	93.4	93.4	93.7	93.7	93.7	94.0
≥ 800	30.1	59.6	68.9	79.4	86.0	89.5	90.9	93.0	93.6	94.2	94.7	94.8	95.0	95.1	95.1	95.3
≥ 700	30.1	59.8	69.1	80.1	86.8	90.4	91.8	94.2	94.9	95.6	96.1	96.1	96.4	96.5	96.5	96.7
≥ 600	30.1	59.8	69.2	80.4	87.1	90.9	92.3	94.8	95.5	96.1	96.6	96.7	96.9	97.0	97.0	97.2
≥ 500	30.1	59.9	69.3	80.4	87.2	91.1	92.5	95.2	95.9	96.6	97.1	97.1	97.4	97.5	97.5	97.7
≥ 400	30.1	59.9	69.4	80.7	87.5	91.5	92.9	95.7	96.4	97.1	97.6	97.7	98.0	98.1	98.1	98.3
≥ 300	30.1	60.1	69.5	80.9	87.7	91.8	93.2	96.0	96.7	97.4	97.9	98.2	98.4	98.5	98.5	98.8
≥ 200	30.1	60.1	69.5	80.9	87.7	91.9	93.3	96.1	96.9	97.6	98.1	98.5	98.6	98.7	98.7	99.0
≥ 100	30.1	60.1	69.5	80.9	87.7	91.9	93.3	96.1	96.9	97.6	98.1	98.5	98.6	98.7	98.7	99.0
≥ 0	30.1	60.1	69.5	80.9	87.7	91.9	93.3	96.1	96.9	97.6	98.1	98.5	98.6	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 1473

DATA PROCESSING 1-191
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMAN Y/5-47

53-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	20.5	27.7	28.6	29.1	29.3	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
IV 20000	30.1	39.5	40.6	41.1	41.3	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 18000	30.1	39.5	40.6	41.1	41.3	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 16000	30.2	39.6	40.7	41.2	41.4	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 14000	30.6	40.3	41.1	41.6	41.8	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 12000	30.8	40.3	41.4	41.9	42.1	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 10000	33.3	43.8	45.2	45.6	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 9000	34.6	46.5	47.9	48.6	48.8	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 8000	35.5	47.6	49.2	49.9	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 7000	35.6	47.8	49.2	50.1	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 6000	36.7	49.0	51.2	52.1	52.4	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 5000	39.1	53.2	55.3	56.5	57.1	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 4500	39.7	54.1	55.6	57.3	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	44.4	61.0	63.0	64.8	65.5	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 3500	45.4	62.9	64.9	66.8	67.5	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000	49.7	68.9	71.2	73.5	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 2500	54.1	75.2	77.9	80.2	81.2	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2000	57.5	80.7	83.7	86.9	88.0	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1800	57.9	81.4	84.6	87.8	88.9	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	59.5	84.4	87.6	91.2	92.5	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	59.7	85.4	88.6	92.6	93.9	94.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000	59.9	85.9	89.3	93.5	95.3	95.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 900	59.9	86.1	89.5	93.7	95.6	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	59.9	86.1	89.9	94.5	96.5	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	60.2	86.4	90.2	95.0	97.0	97.8	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	60.0	86.5	90.3	95.2	97.3	98.2	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	60.0	86.5	90.3	95.4	97.6	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	60.0	86.7	90.3	95.6	97.8	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	60.0	86.7	90.3	95.6	97.8	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	60.0	86.7	90.5	95.6	97.8	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	60.0	86.7	90.5	95.6	97.8	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	60.0	86.7	90.5	95.6	97.8	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1470

DATA PROCESSING 1 1917
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F-7

35-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥0
NO CEILING ≥ 20000	24.6	26.8	26.9	27.2	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 18000	27.4	40.1	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	37.8	40.1	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 14000	37.8	40.3	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000	38.3	41.0	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	41.1	44.5	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 9000	43.1	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 8000	43.6	47.8	47.8	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 7000	44.4	48.7	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 6000	47.2	51.9	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 5000	54.5	60.2	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4500	55.2	61.1	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	63.2	71.9	72.5	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500	64.2	73.5	74.3	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	69.7	81.0	82.3	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	73.7	86.6	88.1	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	76.5	90.5	92.4	93.2	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	76.7	90.8	92.7	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	77.2	92.2	94.2	95.1	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	77.6	92.6	94.9	95.9	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	77.7	93.1	95.5	96.6	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	77.7	93.1	95.5	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	77.8	93.2	95.8	97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	78.0	93.6	96.2	97.9	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	78.0	93.8	96.4	98.2	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	78.0	93.8	96.4	98.2	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	78.0	93.8	96.4	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.0	93.8	96.4	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.0	93.8	96.4	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.0	93.8	96.4	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.0	93.8	96.4	98.2	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1461

DATA PROCESSING 1-181
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

36177
STATION

MURNEBERG GERMA Y/F

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING	28.2	29.9	30.2	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	42.7	45.4	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 18000	42.9	45.5	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000	42.9	45.5	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	43.2	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	44.6	47.6	47.9	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	48.3	51.7	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	50.4	54.7	55.2	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	51.2	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	52.4	57.7	58.2	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6000	55.4	61.0	61.5	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	63.1	73.3	71.2	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	63.7	71.0	71.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000	69.0	78.8	79.7	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	70.1	80.1	81.2	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	73.7	85.6	87.1	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	75.9	88.6	90.2	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	76.8	90.8	92.8	93.6	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	76.9	91.0	92.9	93.7	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	77.5	92.1	94.2	95.2	95.8	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	77.6	92.7	95.0	96.3	96.9	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	78.0	93.1	95.7	97.3	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	78.0	93.1	95.7	97.3	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	78.1	93.3	95.9	97.5	98.2	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	78.1	93.3	95.9	97.6	98.4	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	78.1	93.3	96.0	97.8	98.6	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	78.1	93.4	96.1	97.9	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	78.1	93.4	96.1	97.9	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	78.1	93.5	96.1	98.0	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	78.1	93.5	96.1	98.0	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	78.1	93.5	96.1	98.0	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	78.1	93.5	96.1	98.0	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 1470

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMA Y/F 87

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	A VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	29.4	36.4	36.5	37.4	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	41.8	51.4	51.9	52.7	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	41.8	51.4	51.9	52.7	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 16000	41.8	51.4	51.9	52.7	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	41.9	51.5	52.1	52.8	53.0	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4
IV 12000	42.8	52.5	53.3	54.2	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7
≥ 10000	46.2	57.2	58.1	59.1	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0
IV 9000	48.0	59.8	60.8	61.9	62.6	62.7	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.2	63.2	63.2
≥ 8000	48.8	60.7	61.9	63.2	63.8	64.0	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3
IV 7000	48.9	61.3	62.5	63.8	64.4	64.6	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 6000	51.9	65.1	66.6	67.9	68.7	68.9	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 5000	55.8	71.8	73.6	75.1	76.0	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8
≥ 4500	55.9	72.1	74.0	75.5	76.4	76.8	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2
IV 4000	59.7	76.6	81.0	82.8	84.0	84.6	84.6	84.8	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0
≥ 3500	60.0	79.1	81.5	83.4	84.6	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
IV 3000	62.1	82.6	85.2	87.6	89.3	90.0	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥ 2500	62.6	84.1	87.2	89.9	91.6	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.9	92.9	92.9
IV 2000	62.8	85.2	88.4	91.6	93.5	94.3	94.4	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	62.9	85.3	88.5	91.7	93.6	94.4	94.6	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0
IV 1500	63.2	86.2	89.7	93.0	94.9	95.8	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 1200	63.3	86.7	90.5	94.0	96.1	97.0	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
IV 1000	63.4	86.9	90.8	94.4	96.5	97.5	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 900	63.4	87.0	90.9	94.5	96.6	97.6	97.8	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	63.4	87.2	91.0	94.8	96.9	98.0	98.2	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	63.4	87.2	91.0	94.8	97.1	98.1	98.4	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 600	63.5	87.2	91.1	95.0	97.3	98.3	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 500	63.5	87.2	91.1	95.0	97.3	98.6	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 400	63.5	87.2	91.1	95.0	97.3	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	63.5	87.2	91.1	95.0	97.3	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	63.5	87.2	91.1	95.0	97.3	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	63.5	87.2	91.1	95.0	97.3	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	63.5	87.2	91.1	95.0	97.3	98.6	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1471

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F. 27-

25-

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01	≥.00
NO CEILING	25.3	41.2	43.4	44.5	45.6	46.1	46.1	46.3	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	29.9	43.4	51.1	52.5	53.4	54.0	54.2	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000	29.9	43.4	51.1	52.5	53.4	54.0	54.0	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	29.9	43.4	51.1	52.5	53.4	54.0	54.0	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	30.0	43.4	51.1	52.5	53.4	54.0	54.0	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	30.5	49.4	52.1	53.5	54.5	55.0	55.0	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000	33.2	54.0	57.5	59.3	60.5	61.3	61.3	61.4	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8
≥ 9000	34.7	57.3	61.1	63.3	64.2	65.0	65.0	65.1	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5
≥ 8000	35.7	59.0	63.0	64.9	66.2	67.1	67.1	67.2	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.6
≥ 7000	36.2	60.1	64.3	66.1	67.4	68.7	68.7	68.8	68.6	68.7	68.7	68.7	68.7	68.9	68.9	68.9
≥ 6000	38.2	62.4	65.0	70.1	71.3	72.6	72.4	72.6	72.7	72.8	72.8	72.8	72.8	73.0	73.0	73.0
≥ 5000	41.3	69.3	74.2	76.6	78.2	79.3	79.3	79.5	79.7	79.9	79.9	79.9	79.9	80.0	80.0	80.0
≥ 4500	41.1	69.3	74.5	77.2	78.8	79.8	79.8	80.1	80.2	80.4	80.4	80.4	80.4	80.5	80.5	80.5
≥ 4000	43.5	74.1	79.8	82.3	84.5	85.7	85.7	85.9	86.1	86.4	86.4	86.4	86.4	86.6	86.6	86.6
≥ 3500	44.1	75.1	80.9	84.0	85.7	86.8	86.8	87.1	87.3	87.5	87.5	87.5	87.5	87.7	87.7	87.7
≥ 3000	45.2	77.9	83.9	87.3	89.0	90.6	90.6	90.9	91.1	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥ 2500	45.5	79.0	85.3	88.8	90.5	92.2	92.2	92.8	93.0	93.2	93.2	93.2	93.2	93.4	93.4	93.4
≥ 2000	46.1	80.1	86.8	90.5	92.2	94.3	94.2	94.9	95.1	95.2	95.2	95.2	95.2	95.5	95.5	95.5
≥ 1800	44.2	80.3	86.9	90.3	92.5	94.5	94.6	95.3	95.5	95.7	95.7	95.7	95.7	95.9	95.9	95.9
≥ 1500	46.4	80.9	87.5	91.5	93.2	95.2	95.3	95.9	96.4	96.6	96.6	96.6	96.6	96.8	96.8	96.8
≥ 1200	46.4	81.3	88.0	92.1	93.9	96.0	96.1	96.8	97.2	97.4	97.4	97.4	97.4	97.6	97.6	97.6
≥ 1000	46.4	81.8	88.6	92.8	94.8	96.9	97.0	97.7	98.1	98.3	98.3	98.3	98.3	98.5	98.5	98.5
≥ 900	46.4	81.8	88.6	92.8	94.8	96.9	97.0	97.7	98.1	98.3	98.3	98.3	98.3	98.5	98.5	98.5
≥ 800	46.4	81.9	88.9	93.1	95.1	97.2	97.2	98.0	98.4	98.6	98.6	98.6	98.6	98.9	98.9	98.9
≥ 700	46.5	82.0	88.9	93.2	95.4	97.6	97.6	98.4	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.3
≥ 600	46.5	82.0	89.0	93.4	95.7	97.8	97.9	98.6	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 500	46.5	82.0	89.1	93.4	95.7	98.1	98.2	99.0	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 400	46.5	82.0	89.1	93.4	95.7	98.1	98.2	99.0	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 300	46.5	82.0	89.1	93.4	95.7	98.1	98.2	99.0	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 200	46.5	82.0	89.1	93.4	95.7	98.1	98.2	99.0	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	46.5	82.0	89.1	93.4	95.7	98.1	98.2	99.0	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 0	46.5	82.0	89.1	93.4	95.7	98.1	98.2	99.0	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1480

DATA PROCESSING 7-15:1
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177

MUNBERG GERMANY/F. G.

55-3

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	20.1	40.3	43.3	46.2	47.3	47.6	47.7	48.3	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8
≥20000	22.6	44.8	46.1	50.3	51.5	52.2	52.3	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
IV 18000	22.6	44.8	48.2	50.9	51.7	52.4	52.4	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 16000	22.6	44.8	48.3	50.9	51.7	52.4	52.4	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	22.6	44.8	48.3	50.9	51.7	52.4	52.4	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 12000	23.3	46.1	49.5	52.4	53.2	53.9	54.0	54.6	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	24.2	49.4	53.3	55.7	57.7	58.5	58.6	59.5	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2
IV 9000	25.7	51.9	56.0	59.5	60.7	61.6	61.6	62.5	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2
IV 8000	26.3	52.9	57.0	61.0	62.1	63.0	63.1	64.1	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8
IV 7000	26.7	53.7	57.8	61.8	63.0	63.9	63.9	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 6000	27.9	56.4	60.7	64.8	66.1	67.0	67.1	68.2	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000	30.1	61.1	66.9	71.4	72.8	73.7	73.8	74.9	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	30.3	62.3	67.3	71.8	73.2	74.3	74.4	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000	31.6	66.1	72.4	77.3	78.9	80.1	80.2	81.3	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	32.0	66.5	73.0	78.1	79.8	81.0	81.1	82.2	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	33.5	69.5	77.0	82.6	84.5	85.7	85.7	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	33.1	70.6	78.5	85.5	85.9	87.2	87.3	88.7	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	33.3	72.0	80.0	85.7	87.4	89.3	89.3	90.9	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8
IV 1800	33.4	72.3	80.4	86.1	88.2	89.8	89.8	91.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500	33.5	73.5	81.9	87.7	90.0	91.5	91.6	93.1	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0
IV 1200	33.5	74.6	82.7	88.6	91.0	92.5	92.6	94.2	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1
IV 1000	33.5	74.4	83.4	89.2	91.9	93.7	93.7	95.3	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4
IV 900	33.5	74.4	83.4	89.4	91.9	93.8	93.8	95.7	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6
IV 800	33.5	74.5	83.5	89.6	92.1	94.0	94.2	96.0	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9
IV 700	33.5	74.7	83.7	89.9	92.3	94.2	94.4	96.2	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1
IV 600	33.5	74.7	83.7	90.1	92.8	94.7	95.0	96.9	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8
IV 500	33.5	74.7	83.8	90.3	92.9	95.1	95.5	97.3	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2
IV 400	33.5	74.7	83.8	90.3	92.9	95.2	95.5	97.6	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5
IV 300	33.5	74.7	83.8	90.3	93.0	95.3	95.7	97.8	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7
IV 200	33.5	74.7	83.8	90.3	93.0	95.3	95.7	97.8	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7
IV 100	33.5	74.7	83.8	90.3	93.0	95.3	95.7	97.8	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7
IV 0	33.5	74.7	83.8	90.3	93.0	95.3	95.7	97.8	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 1436

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
ROUTE 131

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0
NO CEILING	12.7	26.3	30.8	35.5	38.9	41.1	41.3	42.7	43.0	43.5	43.5	43.5	44.1	44.4	44.4	45.0
≥ 20000	15.1	30.5	35.5	41.0	45.2	47.7	47.8	49.6	49.8	50.3	50.3	50.3	50.4	51.0	51.3	51.9
≥ 18000	15.1	30.6	35.6	41.1	45.2	47.8	47.9	49.5	49.9	50.3	50.3	50.5	51.1	51.4	51.4	52.2
≥ 16000	15.1	30.6	35.6	41.1	45.2	47.8	47.9	49.5	49.9	50.3	50.3	50.5	51.1	51.4	51.4	52.2
≥ 14000	15.1	30.6	35.6	41.1	45.2	47.8	47.9	49.5	49.9	50.3	50.3	50.5	51.1	51.4	51.4	52.2
≥ 12000	15.3	31.1	36.2	41.7	46.1	48.6	48.7	50.3	50.7	51.2	51.2	51.3	52.0	52.2	52.2	52.4
≥ 10000	16.9	33.2	40.8	46.9	51.5	54.2	54.4	56.2	56.6	57.1	57.3	57.4	58.0	58.3	58.3	58.9
≥ 9000	18.0	37.6	43.6	50.1	55.1	58.1	58.3	60.3	60.6	61.2	61.3	61.5	62.2	62.4	62.4	63.1
≥ 8000	18.5	38.3	44.5	51.3	56.5	59.5	59.7	61.9	62.2	62.9	63.1	63.3	64.0	64.3	64.3	64.8
≥ 7000	18.5	38.7	45.0	51.9	57.2	60.2	60.5	62.7	63.0	63.7	63.9	64.1	64.8	65.0	65.0	65.6
≥ 6000	19.0	40.1	46.9	54.0	59.4	62.4	62.7	64.8	65.2	65.9	66.2	66.3	67.1	67.3	67.3	67.9
≥ 5000	20.8	43.6	50.8	58.1	63.8	67.1	67.4	69.8	70.2	70.9	71.2	71.3	72.1	72.4	72.4	72.9
≥ 4500	20.8	43.8	51.2	58.5	64.2	67.5	67.8	70.1	70.6	71.3	71.5	71.7	72.4	72.7	72.7	73.3
≥ 4000	22.2	46.6	54.8	62.8	69.1	72.4	72.7	75.5	75.9	76.7	77.0	77.1	77.9	78.2	78.2	78.7
≥ 3500	22.5	47.1	55.2	63.5	69.9	73.3	73.6	76.4	76.9	77.8	78.0	78.2	79.0	79.2	79.2	79.8
≥ 3000	23.3	49.6	58.4	67.3	73.8	77.5	77.8	80.8	81.3	82.2	82.6	82.7	83.8	83.8	83.8	84.3
≥ 2500	23.8	50.6	59.5	68.3	75.0	78.8	79.1	82.1	82.7	83.8	84.2	84.3	85.1	85.4	85.4	85.9
≥ 2000	24.4	52.2	61.6	71.1	78.0	82.0	82.3	85.4	86.2	87.3	87.6	87.8	88.3	88.8	88.8	89.4
≥ 1800	24.5	52.4	61.7	71.3	78.2	82.2	82.3	85.7	86.4	87.6	87.9	88.0	88.8	89.1	89.1	89.7
≥ 1500	24.7	53.3	62.8	72.6	79.7	83.8	84.2	87.5	88.3	89.4	89.7	89.9	90.6	90.9	90.9	91.8
≥ 1200	24.8	54.1	63.6	73.5	80.8	85.1	85.5	88.7	89.5	90.7	91.1	91.3	92.0	92.3	92.3	92.9
≥ 1000	24.8	54.1	64.1	74.4	82.1	86.6	87.0	90.3	91.2	92.4	92.8	92.8	93.7	94.0	94.0	94.5
≥ 900	24.8	54.1	64.1	74.4	82.1	86.6	87.1	90.3	91.3	92.5	92.9	93.1	93.8	94.1	94.1	94.7
≥ 800	25.0	54.4	64.5	75.1	82.8	87.6	88.0	91.6	92.4	93.6	94.1	94.2	95.0	95.2	95.2	95.8
≥ 700	25.0	54.4	64.5	75.2	82.9	87.8	88.2	92.2	93.0	94.3	94.8	94.9	95.7	95.9	95.9	96.5
≥ 600	25.0	54.4	64.5	75.3	83.4	88.3	88.7	92.7	93.6	95.0	95.5	95.6	96.4	96.6	96.6	97.2
≥ 500	25.0	54.4	64.5	75.3	83.7	88.9	89.3	93.8	94.7	96.2	96.6	96.6	97.6	97.8	97.8	98.4
≥ 400	25.0	54.4	64.5	75.5	83.7	88.9	89.4	93.9	94.8	96.3	96.9	97.1	97.9	98.2	98.2	98.7
≥ 300	25.0	54.4	64.5	75.5	83.7	88.9	89.4	93.9	94.8	96.5	96.9	97.1	98.0	98.3	98.3	98.9
≥ 200	25.0	54.4	64.5	75.5	83.7	88.9	89.4	93.9	94.9	96.6	97.1	97.2	98.1	98.4	98.5	99.1
≥ 100	25.0	54.4	64.5	75.5	83.7	88.9	89.4	93.9	94.9	96.6	97.1	97.2	98.1	98.4	98.5	99.1
≥ 0	25.0	54.4	64.5	75.5	83.7	88.9	89.4	93.9	94.9	96.6	97.1	97.2	98.2	98.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1490

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORT-

55-7

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1001-0300

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	18.3	33.0	37.2	40.8	42.7	44.1	44.3	44.7	44.6	44.5	44.7	44.7	44.7	44.7	44.7	44.4
≥ 20000	21.1	39.2	44.4	48.3	50.4	51.9	52.2	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.7
≥ 18000	21.1	39.2	44.4	48.3	50.4	52.0	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	21.1	39.2	44.4	48.3	50.4	52.0	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	21.1	39.2	44.4	48.3	50.4	52.0	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	21.4	39.7	45.0	49.1	51.2	52.7	53.0	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	22.4	42.8	48.3	53.0	55.5	57.2	57.6	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3
≥ 9000	23.7	45.0	50.6	55.6	58.4	60.4	60.8	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.5
≥ 8000	24.5	46.3	52.1	57.4	60.3	62.3	62.8	63.2	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.7
≥ 7000	24.7	46.8	52.8	58.2	61.1	63.1	63.6	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	25.1	47.7	54.0	59.6	62.5	64.6	65.1	65.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.9
≥ 5000	25.8	49.7	56.7	63.2	66.7	68.9	69.5	70.0	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	26.1	50.1	57.1	63.6	67.2	69.4	70.0	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.9
≥ 4000	27.9	52.8	60.5	67.3	71.2	73.3	74.0	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.1
≥ 3500	28.2	53.5	61.2	68.2	71.9	74.2	74.7	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.8
≥ 3000	30.0	56.3	64.5	72.3	76.5	78.8	79.4	80.1	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	30.4	57.3	65.6	73.6	78.0	80.4	80.9	81.6	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.2
≥ 2000	32.0	60.1	68.9	77.2	82.0	84.4	84.9	85.8	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	32.0	60.4	69.3	77.7	82.5	84.9	85.4	86.3	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.9
≥ 1500	32.8	61.8	71.0	79.9	84.9	87.4	88.0	88.9	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.5
≥ 1200	32.7	62.6	71.8	80.8	86.1	88.7	89.4	90.4	90.6	90.8	90.9	90.9	90.9	90.9	90.9	91.0
≥ 1000	32.7	63.6	73.0	82.4	87.6	90.6	91.3	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.1
≥ 900	32.7	63.6	73.1	82.5	88.0	90.7	91.3	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.5
≥ 800	32.7	63.9	73.7	83.1	88.5	91.3	92.2	93.7	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	32.7	63.9	73.9	83.3	89.1	92.0	92.9	94.6	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	32.7	64.2	74.2	83.9	89.9	93.0	93.8	95.6	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.5
≥ 500	32.7	64.2	74.4	84.4	90.8	94.1	95.0	97.1	97.5	97.7	97.9	97.9	97.9	97.9	97.9	98.0
≥ 400	32.7	64.2	74.4	84.4	90.9	94.4	95.7	98.0	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.9
≥ 300	32.7	64.2	74.4	84.4	91.0	94.5	95.8	98.1	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.2
≥ 200	32.7	64.2	74.4	84.4	91.0	94.5	95.8	98.1	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.2
≥ 100	32.7	64.2	74.4	84.4	91.0	94.5	95.8	98.1	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.3
≥ 0	32.7	64.2	74.4	84.4	91.0	94.5	95.8	98.1	98.5	98.8	99.1	99.1	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS. 1420

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMANY/EJRTM

55-7

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1967-1971

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	25.5	24.4	35.3	30.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	35.2
≥ 20000	33.5	44.1	48.0	45.5	45.3	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 18000	33.5	44.2	48.1	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	33.5	44.2	48.1	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000	33.7	44.4	48.3	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 12000	33.9	44.7	48.6	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 10000	36.2	48.0	49.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 9000	38.2	50.3	51.6	52.1	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 8000	38.7	51.3	52.8	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 7000	39.4	52.0	53.5	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 6000	40.3	53.0	55.3	56.7	57.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 5000	42.3	56.7	58.6	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 4500	43.2	56.8	58.8	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4000	47.5	64.5	66.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 3500	48.7	66.0	68.3	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3000	54.2	73.2	75.7	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500	57.6	78.5	81.3	83.0	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	60.3	82.6	85.1	86.1	86.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1800	60.3	82.7	86.2	88.1	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	61.0	84.9	88.6	90.8	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	61.7	85.7	89.6	92.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	62.0	86.3	90.9	94.0	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	62.1	86.7	91.0	94.2	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	62.2	87.1	91.3	94.5	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	62.2	87.2	91.4	94.7	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	62.2	87.2	91.5	95.2	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	62.2	87.3	91.8	95.8	98.1	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	62.2	87.3	91.8	95.8	98.2	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	62.2	87.3	91.9	95.8	98.3	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	62.2	87.3	91.9	95.8	98.3	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	62.2	87.3	91.9	95.8	98.3	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	62.2	87.3	91.9	95.8	98.3	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1417

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORTH

55-72

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2-14

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING	27.2	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 20000	40.0	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 18000	40.0	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 16000	40.1	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 14000	40.4	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 12000	41.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 10000	45.2	49.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	46.5	51.1	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 8000	47.0	51.9	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 7000	47.9	53.0	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 6000	50.6	56.4	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 5000	55.9	63.0	63.6	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4500	56.7	63.8	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4000	64.7	74.4	74.9	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	66.2	76.3	76.9	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 3000	71.7	83.9	84.3	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	74.2	87.2	88.2	89.0	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	76.1	89.6	90.9	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	76.4	89.9	91.2	92.1	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1500	76.8	90.7	92.4	93.6	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1200	77.2	91.4	93.2	94.5	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	77.4	92.1	94.1	95.5	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	77.5	92.1	94.2	95.5	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	77.5	92.6	94.8	96.1	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	77.5	92.6	94.8	96.1	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	77.5	92.8	94.9	96.3	97.9	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	77.5	92.8	94.9	96.7	98.3	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	77.5	92.8	94.9	96.7	98.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	77.5	92.8	94.9	96.7	98.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	77.5	92.8	94.9	96.7	98.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	77.5	92.8	94.9	96.7	98.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	77.5	92.8	94.9	96.7	98.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1412

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FLRT

35-71

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16-9-17

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	30.6	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	44.3	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	44.3	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	44.3	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	44.3	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 12000	45.7	49.3	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 10000	50.1	54.3	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 9000	52.6	57.3	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	53.6	59.1	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	54.4	60.3	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	58.8	65.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	64.6	73.4	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	65.3	74.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	70.5	81.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	70.9	81.5	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	74.5	86.9	88.9	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	76.0	89.0	91.4	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	76.9	90.8	93.4	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	77.1	91.1	93.7	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	77.4	92.2	94.9	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	77.5	92.4	95.1	96.3	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	77.5	92.7	95.6	96.8	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	77.5	92.7	95.7	97.0	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	77.5	93.0	96.0	97.3	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	77.5	93.0	96.1	97.6	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	77.5	93.1	96.2	97.8	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	77.5	93.1	96.3	97.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	77.5	93.1	96.3	97.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	77.5	93.1	96.3	97.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	77.5	93.1	96.3	97.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	77.5	93.1	96.3	97.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	77.5	93.1	96.3	97.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

1417

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORT-

55-72

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1951-1952

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ 0
NO CEILING	30.5	35.1	35.3	35.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	43.2	50.9	52.5	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 18000	43.1	51.1	52.7	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 16000	43.3	51.2	52.8	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 14000	43.5	51.4	53.0	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 12000	44.2	52.2	53.9	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	48.1	58.3	60.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	50.0	61.5	63.7	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 8000	51.1	63.3	65.7	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000	51.8	64.3	66.9	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000	53.5	67.3	69.9	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 5000	57.6	73.1	76.2	78.2	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4500	57.9	73.4	76.5	78.5	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	61.0	79.0	82.4	84.6	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	61.3	79.4	82.8	85.0	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3000	62.3	83.1	86.8	89.3	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 2500	63.6	84.1	88.0	90.8	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2000	64.5	85.9	90.0	92.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	64.5	86.0	90.2	93.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	64.8	87.0	91.2	94.7	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	64.3	87.1	91.3	95.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	65.0	87.4	91.9	95.6	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	65.0	87.7	92.1	95.9	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	65.1	88.0	92.4	96.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	65.1	88.0	92.6	96.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	65.1	88.0	92.7	96.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	65.1	88.0	92.7	96.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	65.1	88.0	92.7	96.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	65.1	88.0	92.7	96.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	65.1	88.0	92.7	96.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	65.1	88.0	92.7	96.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	65.1	88.0	92.7	96.6	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1424

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177
STATION

MURNBERG GERMANY/F.R.G.
STATION NAME

55-70
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7-23-71
DATE

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 to 10	≥4	≥0
NO CEILING	29.9	39.5	41.1	42.1	42.4	43.0	43.0	43.2	43.3	43.3	43.3	43.4	43.4	43.4	43.5	43.7
≥ 20000	30.7	47.4	49.8	51.7	51.4	52.1	52.1	52.3	52.2	52.4	52.4	52.5	52.5	52.5	52.6	52.6
≥ 18000	30.7	47.4	49.8	51.7	51.4	52.1	52.1	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.6	52.6
≥ 16000	30.7	47.5	50.0	51.2	51.6	52.3	52.3	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.8	52.8
≥ 14000	30.8	47.6	50.0	51.3	51.7	52.4	52.4	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.9	52.9
≥ 12000	31.3	48.5	50.9	52.2	52.6	53.3	53.3	53.5	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7
≥ 10000	34.2	54.3	57.7	59.6	60.1	60.8	60.9	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3	61.3
≥ 9000	35.6	58.2	61.8	64.1	64.5	65.5	65.6	65.8	65.8	65.9	65.9	66.0	66.0	66.0	66.2	66.2
≥ 8000	36.2	59.3	63.2	65.5	66.3	67.1	67.2	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.6	67.6
≥ 7000	36.5	60.0	63.9	66.3	67.0	67.8	67.9	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3
≥ 6000	38.6	63.8	67.7	70.3	71.2	72.0	72.1	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5
≥ 5000	41.0	68.1	72.5	73.4	76.5	77.3	77.4	77.6	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9
≥ 4500	41.1	68.6	73.0	73.9	77.1	77.9	78.1	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5
≥ 4000	43.4	74.4	79.7	82.9	84.2	85.1	85.2	85.5	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7
≥ 3500	45.5	75.0	80.2	83.0	84.3	85.7	85.9	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.4	86.4
≥ 3000	45.4	78.8	84.8	88.4	89.7	90.6	90.8	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3
≥ 2500	45.8	80.2	86.4	89.9	91.2	92.2	92.4	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9
≥ 2000	45.8	81.0	87.4	91.1	92.4	93.4	93.6	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 1800	46.0	81.4	88.0	91.6	92.9	94.0	94.1	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.7	94.7
≥ 1500	46.2	82.1	89.0	92.7	94.2	95.2	95.4	95.7	95.7	95.9	95.9	96.0	96.0	96.0	96.1	96.1
≥ 1200	46.4	82.7	89.9	93.6	95.4	96.5	96.6	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.3	97.3
≥ 1000	46.5	82.9	90.4	94.3	96.2	97.4	97.6	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2
≥ 900	46.5	82.9	90.5	94.5	96.4	97.4	97.9	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 800	46.5	83.0	90.6	94.8	96.9	98.3	98.3	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2
≥ 700	46.5	83.1	90.8	94.9	97.2	98.6	98.8	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 600	46.5	83.1	90.8	94.9	97.3	98.7	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	46.5	83.1	90.8	95.0	97.6	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 400	46.5	83.1	90.8	95.0	97.6	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	46.5	83.1	90.8	95.0	97.6	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	46.5	83.1	90.8	95.0	97.6	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	46.5	83.1	90.8	95.0	97.6	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
0	46.5	83.1	90.8	95.0	97.6	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1431

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	16.6	41.3	45.4	48.5	49.6	51.0	51.2	52.6	52.9	52.9	53.0	53.1	53.3	53.3	53.3	53.5
≥ 20000	18.4	44.3	48.5	52.1	53.2	54.4	54.7	56.1	56.4	56.4	56.5	56.5	56.8	56.8	56.8	57.1
≥ 18000	18.4	44.3	48.5	52.1	53.2	54.4	54.7	56.1	56.4	56.4	56.5	56.5	56.8	56.8	56.8	57.1
≥ 16000	18.4	44.3	48.5	52.1	53.2	54.4	54.7	56.1	56.4	56.4	56.5	56.5	56.8	56.8	56.8	57.1
≥ 14000	18.5	44.4	48.6	52.2	53.3	54.5	54.8	56.2	56.5	56.5	56.6	56.6	56.9	56.9	56.9	57.2
≥ 12000	18.5	44.4	48.6	52.2	53.3	54.5	54.8	56.2	56.5	56.5	56.6	56.6	56.9	56.9	56.9	57.2
≥ 10000	20.3	48.9	53.7	57.8	59.0	60.2	60.5	62.1	62.4	62.4	62.5	62.5	62.8	62.8	62.8	63.1
≥ 9000	21.8	52.3	57.7	62.0	63.2	64.4	64.7	66.3	66.6	66.6	66.7	66.8	67.1	67.1	67.1	67.3
≥ 8000	22.0	53.4	59.3	63.7	65.1	66.3	66.7	68.4	68.7	68.7	68.8	68.9	69.2	69.2	69.2	69.5
≥ 7000	22.4	54.1	60.1	64.5	65.9	67.2	67.5	69.2	69.5	69.5	69.6	69.7	70.0	70.0	70.0	70.3
≥ 6000	23.4	56.6	62.8	67.2	68.7	70.2	70.4	72.1	72.4	72.4	72.5	72.7	72.9	72.9	72.9	73.2
≥ 5000	25.4	60.5	67.7	72.5	74.0	75.7	76.0	77.7	78.0	78.2	78.2	78.2	78.5	78.5	78.5	78.8
≥ 4500	25.7	61.4	68.5	73.3	74.8	76.6	76.8	78.4	78.7	78.7	78.8	78.8	79.1	79.1	79.1	79.4
≥ 4000	27.2	65.5	73.6	79.3	81.0	82.8	83.1	84.8	85.1	85.3	85.4	85.4	85.7	85.7	85.7	85.9
≥ 3500	27.7	66.2	74.5	80.3	82.2	84.0	84.4	86.1	86.4	86.6	86.7	86.7	86.9	86.9	86.9	87.2
≥ 3000	28.5	69.1	77.9	84.1	86.2	88.1	88.6	90.4	90.8	90.8	90.9	90.9	91.2	91.2	91.2	91.4
≥ 2500	28.8	69.4	78.7	85.3	87.2	89.2	89.6	91.5	91.8	92.0	92.1	92.1	92.3	92.3	92.3	92.6
≥ 2000	29.7	70.1	79.7	86.1	88.3	90.3	90.8	92.7	93.1	93.4	93.5	93.7	93.9	93.9	93.9	94.2
≥ 1800	28.7	70.4	79.7	86.5	88.5	90.5	91.1	93.0	93.4	93.8	94.1	94.3	94.6	94.6	94.6	94.9
≥ 1500	28.8	70.8	80.5	87.5	90.2	92.3	92.8	94.8	95.3	95.5	95.6	95.6	95.8	95.8	95.8	96.1
≥ 1200	28.8	71.4	81.1	88.2	90.9	93.0	93.5	95.5	96.0	96.2	96.3	96.3	96.6	96.6	96.6	96.8
≥ 1000	28.8	71.8	81.8	89.1	92.0	94.1	94.6	96.6	97.2	97.4	97.5	97.5	97.8	97.8	97.8	98.1
≥ 900	28.8	71.8	81.8	89.1	92.0	94.1	94.6	96.6	97.2	97.4	97.5	97.5	97.8	97.8	97.8	98.1
≥ 800	28.8	71.9	81.9	89.3	92.2	94.3	94.8	96.8	97.4	97.6	97.7	97.7	98.0	98.0	98.0	98.3
≥ 700	28.8	71.9	82.0	89.4	92.3	94.4	94.9	96.9	97.5	97.7	97.8	97.8	98.1	98.1	98.1	98.4
≥ 600	28.8	72.0	82.0	89.4	92.5	94.5	95.1	97.1	97.6	97.8	97.9	97.9	98.2	98.2	98.2	98.5
≥ 500	28.8	72.0	82.1	89.5	92.5	94.6	95.2	97.2	97.7	97.9	98.0	98.0	98.3	98.3	98.3	98.6
≥ 400	28.8	72.1	82.2	89.7	92.7	94.8	95.4	97.4	97.9	98.1	98.2	98.2	98.5	98.5	98.5	98.8
≥ 300	28.8	72.1	82.2	89.7	92.7	94.8	95.4	97.4	97.9	98.1	98.2	98.2	98.5	98.5	98.5	98.8
≥ 200	28.8	72.1	82.2	89.7	92.7	94.8	95.4	97.4	97.9	98.1	98.2	98.2	98.5	98.5	98.5	98.8
≥ 100	28.8	72.1	82.2	89.7	92.7	94.8	95.4	97.4	97.9	98.1	98.2	98.2	98.5	98.5	98.5	98.8
≥ 0	28.8	72.1	82.2	89.7	92.7	94.8	95.4	97.4	97.9	98.1	98.2	98.2	98.5	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1428

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORTH

55-70

YEAR

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING	7.1	21.8	25.3	31.5	34.9	36.9	37.3	39.2	40.0	40.5	40.7	40.8	41.1	41.5	41.7	42.1
≥ 20000	6.2	24.8	28.6	33.4	39.3	41.9	42.2	44.2	45.1	45.4	45.8	46.2	46.4	46.8	47.1	47.7
IV ≥ 18000	8.2	24.6	28.6	35.5	39.3	41.9	42.2	44.3	45.1	45.4	45.8	46.3	46.4	46.8	47.1	47.7
IV ≥ 16000	8.2	24.8	28.6	35.5	39.3	41.9	42.2	44.3	45.1	45.4	45.8	46.3	46.4	46.8	47.1	47.7
IV ≥ 14000	8.2	24.9	28.7	35.7	39.4	41.9	42.3	44.3	45.1	45.5	45.8	46.1	46.4	46.9	47.2	47.7
IV ≥ 12000	8.4	25.2	29.1	36.1	39.8	42.4	42.8	44.8	45.6	46.0	46.3	46.6	46.9	47.4	47.7	48.1
IV ≥ 10000	11.0	31.3	35.6	43.3	47.0	49.5	50.0	52.3	53.2	53.6	54.0	54.2	54.7	55.1	55.4	56.1
IV ≥ 9000	11.8	33.3	37.8	46.2	50.0	52.1	53.5	55.8	56.8	57.3	57.6	57.9	58.2	58.8	59.1	59.5
IV ≥ 8000	12.4	34.0	39.4	48.1	51.9	53.1	55.5	58.1	59.1	59.6	60.0	60.2	60.6	61.1	61.4	62.1
IV ≥ 7000	12.5	35.1	40.0	48.7	52.8	56.1	56.5	59.1	60.2	60.6	61.0	61.3	61.7	62.1	62.4	63.1
IV ≥ 6000	13.2	36.5	42.3	51.3	55.5	59.0	59.6	62.4	63.4	63.9	64.2	64.5	64.9	65.4	65.7	66.3
IV ≥ 5000	14.9	40.9	46.9	56.6	61.7	65.3	65.9	68.9	70.0	70.4	70.8	71.0	71.4	71.9	72.2	72.9
IV ≥ 4500	18.1	41.2	47.2	57.0	62.1	65.7	66.5	69.3	70.4	70.8	71.2	71.4	71.9	72.3	72.6	73.3
IV ≥ 4000	17.2	45.7	51.9	62.3	68.0	71.9	72.4	75.7	77.2	77.7	78.0	78.3	78.7	79.4	79.7	80.4
IV ≥ 3500	17.5	46.4	53.0	62.7	69.3	73.2	73.8	77.3	78.5	79.1	79.4	79.7	80.3	80.8	81.0	81.8
IV ≥ 3000	18.6	49.1	56.0	67.2	73.4	77.5	78.1	81.8	83.1	83.6	84.0	84.2	84.6	85.2	85.6	86.3
IV ≥ 2500	18.8	49.5	56.5	67.7	74.1	78.5	79.1	82.9	84.2	84.8	85.1	85.4	86.1	86.5	86.8	87.6
IV ≥ 2000	19.1	50.5	57.7	69.1	75.7	80.2	80.9	85.0	86.3	86.9	87.2	87.5	88.2	88.6	88.9	89.7
IV ≥ 1800	19.1	50.5	57.7	69.1	75.7	80.2	80.9	85.0	86.3	86.9	87.2	87.5	88.2	88.6	88.9	89.7
IV ≥ 1500	19.2	51.1	58.4	70.0	76.7	81.4	82.3	86.5	87.7	88.4	88.7	89.0	89.7	90.1	90.4	91.2
IV ≥ 1200	19.3	51.7	59.3	71.2	77.9	82.7	83.5	88.0	89.3	89.9	90.3	90.6	91.2	91.7	92.0	92.7
IV ≥ 1000	19.3	52.3	60.2	72.5	79.4	84.4	85.4	89.9	91.2	91.9	92.3	92.5	93.2	93.7	93.9	94.7
IV ≥ 900	19.3	52.3	60.2	72.5	79.4	84.4	85.4	90.0	91.3	92.0	92.3	92.5	93.3	93.7	94.0	94.8
IV ≥ 800	19.3	52.5	60.6	73.1	80.1	85.2	86.2	91.0	92.3	93.1	93.5	93.7	94.4	94.9	95.2	95.9
IV ≥ 700	19.3	52.5	60.7	73.4	80.4	85.5	86.5	91.4	92.9	93.6	94.0	94.3	95.0	95.4	95.7	96.5
IV ≥ 600	19.3	52.5	60.8	73.6	80.7	86.0	86.9	92.0	93.5	94.4	94.8	95.1	95.8	96.3	96.5	97.3
IV ≥ 500	19.3	52.7	61.0	74.0	81.1	86.5	87.5	92.7	94.2	95.2	95.6	95.9	96.6	97.1	97.3	98.1
IV ≥ 400	19.3	52.7	61.0	74.0	81.1	86.6	87.6	92.8	94.4	95.5	95.9	96.3	96.9	97.4	97.7	98.4
IV ≥ 300	19.3	52.7	61.0	74.0	81.1	86.6	87.6	92.9	94.5	95.6	96.0	96.3	97.1	97.6	97.9	98.6
IV ≥ 200	19.3	52.7	61.0	74.0	81.1	86.6	87.6	92.9	94.6	95.6	96.1	96.4	97.2	97.7	98.0	98.6
IV ≥ 100	19.3	52.7	61.0	74.0	81.1	86.6	87.6	92.9	94.6	95.6	96.1	96.4	97.2	97.7	98.0	98.6
IV ≥ 0	19.3	52.7	61.0	74.0	81.1	86.6	87.6	92.9	94.6	95.6	96.1	96.4	97.4	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1471

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177
STATION

NURNBERG GERMANY/F.R.G.
STATION NAME

55-7
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1477

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥1/10	≥1/20	≥1/40	≥0
NO CEILING ≥ 20000	11.4	26.1	30.9	36.4	37.3	40.4	40.7	41.4	41.6	41.7	41.7	41.8	41.9	42.0	42.0	42.1
IV 18000	13.3	29.7	34.9	41.0	44.1	45.4	45.7	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.2	47.3
IV 16000	13.3	29.7	34.9	41.0	44.1	45.4	45.7	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.2	47.3
IV 14000	13.3	29.7	34.9	41.1	44.2	45.5	45.8	46.7	46.8	46.9	47.0	47.1	47.1	47.2	47.3	47.4
IV 12000	13.6	30.2	35.6	41.5	45.0	46.4	46.6	47.5	47.7	47.8	47.9	47.9	48.0	48.1	48.1	48.2
IV 10000	15.8	34.2	39.9	46.7	50.2	51.6	51.9	52.9	53.1	53.2	53.3	53.4	53.4	53.6	53.6	53.7
IV 9000	17.0	36.6	42.9	50.4	54.2	55.5	55.9	57.0	57.1	57.2	57.2	57.4	57.5	57.6	57.6	57.7
IV 8000	17.2	37.4	43.7	51.2	55.2	56.6	57.1	58.4	58.5	58.6	58.7	58.8	58.8	59.0	59.0	59.1
IV 7000	17.4	37.8	44.1	51.9	56.0	57.4	57.8	59.2	59.3	59.4	59.5	59.6	59.6	59.8	59.8	59.9
IV 6000	18.1	39.0	45.7	54.4	58.7	60.3	60.7	62.2	62.4	62.5	62.6	62.6	62.7	62.8	62.8	63.0
IV 5000	20.0	42.5	49.6	59.2	63.7	65.3	65.7	67.2	67.4	67.5	67.6	67.6	67.7	67.8	67.8	68.0
IV 4500	20.2	42.9	50.0	59.9	64.5	66.0	66.3	68.0	68.1	68.2	68.3	68.4	68.4	68.6	68.6	68.7
IV 4000	22.5	46.9	54.7	65.1	70.2	71.9	72.4	74.0	74.3	74.5	74.6	74.9	74.9	75.1	75.2	75.3
IV 3500	22.9	47.7	55.6	66.1	71.2	72.9	73.5	75.2	75.4	75.7	76.0	76.0	76.1	76.2	76.3	76.4
IV 3000	24.4	50.5	58.8	69.8	75.2	77.1	77.7	79.5	79.6	80.0	80.3	80.4	80.4	80.6	80.6	80.8
IV 2500	25.3	52.2	60.7	72.0	77.7	79.6	80.2	82.1	82.3	82.7	82.9	83.0	83.1	83.2	83.3	83.4
IV 2000	26.6	54.6	63.6	73.4	81.4	83.3	84.0	85.9	86.2	86.5	86.8	86.9	86.9	87.1	87.1	87.3
IV 1800	26.9	54.8	64.0	75.8	81.9	83.8	84.4	86.4	86.7	87.0	87.3	87.3	87.4	87.5	87.6	87.7
IV 1500	27.1	55.9	65.3	77.4	83.8	85.9	86.5	88.6	88.9	89.2	89.5	89.6	89.6	89.8	89.8	90.0
IV 1200	27.2	56.4	66.1	78.5	84.9	87.1	87.7	89.9	90.2	90.5	90.8	90.9	90.9	91.1	91.1	91.3
IV 1000	27.5	57.2	67.4	80.0	87.1	89.3	90.2	92.4	92.7	93.1	93.4	93.4	93.5	93.6	93.7	93.8
IV 900	27.5	57.2	67.4	80.0	87.1	89.3	90.2	92.4	92.7	93.1	93.4	93.4	93.5	93.6	93.7	93.8
IV 800	27.5	57.3	67.4	80.4	87.9	90.0	91.0	93.3	93.8	94.2	94.4	94.5	94.6	94.7	94.8	94.9
IV 700	27.5	57.4	67.7	80.8	88.4	90.7	91.7	94.5	94.9	95.3	95.6	95.7	95.7	95.9	95.9	96.1
IV 600	27.5	57.5	67.8	81.2	89.0	91.5	92.6	95.7	96.0	96.4	96.8	96.9	97.0	97.1	97.2	97.3
IV 500	27.5	57.5	68.0	81.4	89.4	92.1	93.3	96.7	97.1	97.5	98.0	98.1	98.2	98.3	98.4	98.5
IV 400	27.5	57.5	68.0	81.4	89.5	92.3	93.5	96.9	97.4	97.8	98.2	98.6	98.8	98.8	99.0	99.2
IV 300	27.5	57.5	68.0	81.4	89.5	92.3	93.6	97.0	97.5	97.9	98.2	98.7	98.9	99.1	99.3	99.5
IV 200	27.5	57.5	68.0	81.4	89.5	92.3	93.6	97.0	97.5	97.9	98.2	98.7	98.9	99.1	99.3	99.5
IV 100	27.5	57.5	68.0	81.4	89.5	92.3	93.6	97.0	97.5	97.9	98.2	98.7	98.9	99.1	99.3	99.5
IV 0	27.5	57.5	68.0	81.4	89.5	92.3	93.6	97.0	97.5	97.9	98.2	98.7	98.9	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1477

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-11

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	21.9	33.1	34.5	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	26.5	39.1	40.6	41.6	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	26.6	39.2	40.7	41.6	42.2	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 16000	26.6	39.2	40.7	41.6	42.2	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 14000	26.6	39.2	40.7	41.6	42.2	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 12000	27.2	40.1	41.6	42.7	43.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 10000	29.4	43.2	45.0	46.3	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 9000	30.9	46.1	48.1	49.5	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 8000	31.4	46.6	48.6	50.2	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 7000	31.9	47.5	49.6	51.2	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 6000	33.0	48.9	51.3	52.5	53.7	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 5000	36.1	53.7	56.3	57.3	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4500	36.6	54.0	56.6	58.3	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 4000	41.6	61.1	64.1	66.1	67.1	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	43.1	62.9	65.9	68.0	68.9	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 3000	49.0	71.0	74.2	76.5	77.7	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	52.7	77.1	81.0	83.4	84.7	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	58.4	81.9	86.0	88.6	90.1	90.4	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1800	58.6	82.1	86.2	88.9	90.4	90.7	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	58.8	82.2	87.3	90.9	92.8	93.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	58.9	83.9	89.0	92.2	94.3	94.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	56.1	84.2	89.3	92.6	94.7	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	56.2	84.5	89.6	92.7	95.0	95.7	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	56.2	84.7	90.1	93.7	95.9	96.7	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	56.3	84.7	90.2	94.1	96.4	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	56.3	84.9	90.6	94.4	96.9	97.9	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	56.3	84.9	90.6	94.5	97.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	56.3	84.9	90.6	94.5	97.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	56.3	84.9	90.6	94.5	97.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	56.3	84.9	90.6	94.5	97.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	56.3	84.9	90.6	94.5	97.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	56.3	84.9	90.7	94.6	97.1	98.4	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1463

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	28.4	33.1	33.0	34.0	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 18000	38.0	40.1	40.7	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 16000	38.0	40.1	40.7	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 14000	38.2	40.3	40.8	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 12000	38.1	41.6	42.1	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 10000	40.1	46.4	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 9000	42.0	49.1	49.7	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 8000	42.6	50.2	50.8	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 7000	42.1	50.7	51.3	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 6000	46.5	54.3	54.9	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 5000	53.2	64.8	65.5	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500	53.6	65.3	66.0	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 4000	66.8	76.3	77.4	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500	56.0	77.9	79.0	79.6	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	71.0	83.3	86.6	87.6	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	76.1	89.4	91.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	75.2	91.1	93.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	75.3	91.3	93.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	75.2	92.3	94.9	96.2	96.3	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	75.8	92.5	95.0	96.4	96.5	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	76.1	92.5	95.6	97.3	97.4	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	76.1	92.9	96.0	97.5	97.6	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	76.1	92.9	96.0	97.5	97.6	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	76.2	93.0	96.1	97.6	97.7	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	76.3	93.1	96.2	98.2	98.3	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	76.3	93.1	96.2	98.3	98.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	76.3	93.1	96.2	98.3	98.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	76.3	93.1	96.2	98.3	98.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	76.3	93.1	96.2	98.3	98.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 100	76.3	93.1	96.2	98.3	98.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	76.3	93.1	96.2	98.3	98.4	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 1445

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

1446
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING	33.4	37.4	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	43.3	47.7	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 18000	43.3	47.7	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	43.3	47.7	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	44.0	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 12000	44.8	49.2	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	49.2	50.3	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 9000	51.3	57.7	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 8000	52.6	58.8	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 7000	53.6	59.9	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000	58.3	63.1	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 5000	66.2	74.7	76.0	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	66.9	75.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	72.9	84.1	85.3	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	73.8	85.4	86.8	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	76.9	89.8	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	78.3	92.3	93.8	94.3	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	78.9	93.3	95.2	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	78.9	93.3	95.2	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	78.9	93.3	95.2	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	79.1	93.7	95.7	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	79.2	94.2	96.2	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	79.2	94.2	96.2	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	79.2	94.3	96.3	98.1	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	79.2	94.3	96.3	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	79.2	94.4	96.4	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	79.2	94.4	96.4	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	79.2	94.4	96.4	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	79.2	94.4	96.4	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	79.2	94.4	96.4	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	79.2	94.4	96.4	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	79.2	94.4	96.4	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1446

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 STATION NURNBERG GERMANY/FURTH

55-70

YEARS

JUL 1964

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	88.2	44.0	45.1	45.7	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	44.4	58.0	56.3	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	44.4	58.0	56.3	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	44.4	58.0	56.3	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	44.4	58.1	56.4	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	44.9	58.8	57.1	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	49.6	62.3	64.3	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	51.8	65.3	67.8	68.9	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000	52.5	66.5	68.8	70.0	70.2	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 7000	52.9	67.1	69.5	70.7	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	54.7	70.1	72.6	73.9	74.3	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	59.0	76.5	79.3	80.7	81.1	81.2	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	59.5	77.1	79.9	81.3	81.8	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	63.9	82.1	85.0	87.7	88.3	88.5	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	64.3	83.8	86.8	89.3	89.2	89.4	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 3000	65.1	86.8	90.3	92.2	92.2	92.4	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500	66.9	88.1	91.6	93.8	93.9	94.1	94.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	67.2	89.0	92.6	94.9	95.0	95.4	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	67.2	89.0	92.6	94.9	95.0	95.4	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	67.4	89.3	93.5	96.0	97.2	97.5	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	67.4	89.3	93.5	96.0	97.2	97.5	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	67.4	90.1	93.9	96.6	98.0	98.4	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	67.4	90.1	93.9	96.6	98.0	98.4	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	67.6	90.1	93.9	96.7	98.1	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	67.6	90.1	93.9	96.7	98.1	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	67.6	90.1	94.0	97.0	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

1658

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/PURTH

55-70

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥4	≥0
NO CEILING ≥ 20000	26.9	46.8	48.7	50.2	51.1	51.3	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9
IV 18000	29.6	51.6	53.6	55.7	56.8	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6	57.6
IV 16000	29.6	51.6	53.6	55.7	56.8	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6	57.6
IV 14000	29.9	51.9	54.0	56.1	57.2	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0
IV 12000	30.2	52.0	54.7	56.9	58.0	58.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.8	58.8	58.8
IV 10000	33.2	58.2	60.7	63.4	64.6	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.7	65.7	65.7
IV 9000	36.9	61.6	64.5	67.3	68.6	69.0	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7
IV 8000	38.6	62.8	66.0	68.9	70.2	70.7	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4
IV 7000	38.0	63.4	66.6	69.5	70.9	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.0	72.0
IV 6000	37.8	67.2	70.4	73.4	74.8	75.4	75.5	75.8	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0
IV 5000	41.5	73.1	76.9	80.1	81.6	82.2	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9	82.9
IV 4500	42.2	74.0	77.7	81.0	82.5	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7
IV 4000	44.0	78.5	82.9	86.7	88.2	88.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6
IV 3500	46.1	78.9	83.5	87.5	89.2	89.8	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5
IV 3000	44.9	81.3	86.1	90.7	92.4	93.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9
IV 2500	48.1	82.0	86.9	91.8	93.7	94.6	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2
IV 2000	48.2	82.5	87.8	92.7	94.6	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4
IV 1800	48.2	82.7	87.9	93.2	95.1	96.1	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9
IV 1500	48.3	83.1	88.4	93.9	95.9	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6
IV 1200	48.4	83.5	88.9	94.4	96.6	97.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5
IV 1000	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 900	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 800	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 700	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 600	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 500	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 400	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 300	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 200	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 100	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
IV 0	48.4	83.7	89.2	94.8	97.0	98.0	98.2	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1482

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

94177

NURNBERG GERMANY/FURTH

55-70

YEARS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	13.5	35.9	39.1	42.9	44.5	45.9	46.0	47.9	48.4	43.7	48.9	49.0	49.9	50.1	50.2	50.5
IV 20000	14.4	38.6	41.9	46.0	47.7	49.0	49.2	51.3	51.8	52.1	52.4	52.5	53.4	53.6	53.8	54.0
IV 18000	14.4	38.6	41.9	46.0	47.7	49.0	49.2	51.3	51.8	52.1	52.4	52.5	53.4	53.6	53.8	54.0
IV 16000	14.4	38.6	41.9	46.0	47.7	49.0	49.2	51.3	51.8	52.1	52.4	52.5	53.4	53.6	53.8	54.0
IV 14000	14.4	38.6	41.9	46.0	47.7	49.0	49.2	51.3	51.8	52.1	52.4	52.5	53.4	53.6	53.8	54.0
IV 12000	14.4	38.6	41.9	46.0	47.7	49.0	49.2	51.3	51.8	52.1	52.4	52.5	53.4	53.6	53.8	54.0
IV 10000	16.3	44.0	47.9	52.4	54.1	55.9	56.0	58.0	58.5	58.9	59.2	59.3	60.2	60.5	60.7	60.9
IV 9000	16.3	44.0	47.9	52.4	54.1	55.9	56.0	58.0	58.5	58.9	59.2	59.3	60.2	60.5	60.7	60.9
IV 8000	17.7	48.8	52.7	57.4	59.2	60.8	61.0	63.0	63.5	64.1	64.3	64.8	65.8	66.1	66.3	66.5
IV 7000	18.1	49.4	53.7	58.4	60.2	61.8	62.0	64.0	64.5	65.1	65.3	65.8	66.8	67.1	67.3	67.5
IV 6000	19.1	52.0	56.6	61.7	63.6	65.1	65.3	67.3	67.8	68.4	68.6	69.2	70.2	70.5	70.7	70.9
IV 5000	20.7	55.8	60.9	66.4	68.4	70.1	70.3	72.3	72.8	73.4	73.6	74.2	75.2	75.5	75.7	75.9
IV 4500	20.8	56.4	61.4	67.0	69.1	70.8	71.0	73.0	73.5	74.1	74.3	74.9	75.9	76.2	76.4	76.6
IV 4000	22.3	61.4	66.8	72.6	74.7	76.4	76.6	78.6	79.1	79.7	79.9	80.5	81.5	81.8	82.0	82.2
IV 3500	22.9	62.6	67.8	73.7	75.8	77.5	77.7	79.7	80.2	80.8	81.0	81.6	82.6	82.9	83.1	83.3
IV 3000	23.8	63.9	69.7	76.1	78.1	80.0	80.2	82.2	82.7	83.3	83.5	84.1	85.1	85.4	85.6	85.8
IV 2500	23.7	64.7	70.6	77.2	79.2	81.1	81.3	83.3	83.8	84.4	84.6	85.2	86.2	86.5	86.7	86.9
IV 2000	24.3	66.3	72.6	79.6	81.6	83.5	83.7	85.7	86.2	86.8	87.0	87.6	88.6	88.9	89.1	89.3
IV 1800	24.5	66.8	73.1	80.1	82.1	84.0	84.2	86.2	86.7	87.3	87.5	88.1	89.1	89.4	89.6	89.8
IV 1500	24.7	67.9	74.3	81.6	83.6	85.5	85.7	87.7	88.2	88.8	89.0	89.6	90.6	90.9	91.1	91.3
IV 1200	24.8	68.0	74.4	81.7	83.7	85.6	85.8	87.8	88.3	88.9	89.1	89.7	90.7	91.0	91.2	91.4
IV 1000	25.1	68.7	75.0	82.4	84.4	86.3	86.5	88.5	89.0	89.6	89.8	90.4	91.4	91.7	91.9	92.1
IV 900	25.1	68.8	75.0	82.4	84.4	86.3	86.5	88.5	89.0	89.6	89.8	90.4	91.4	91.7	91.9	92.1
IV 800	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 700	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 600	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 500	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 400	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 300	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 200	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 100	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2
IV 0	25.2	68.9	75.1	82.5	84.5	86.4	86.6	88.6	89.1	89.7	89.9	90.5	91.5	91.8	92.0	92.2

TOTAL NUMBER OF OBSERVATIONS 1483

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

YEAR

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900
LOCAL TIME

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1 1/2	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥0
NO CEILING	8.1	19.7	23.2	27.2	31.1	32.2	32.4	33.5	34.2	34.7	34.9	35.1	35.3	35.5	35.6	35.9	
≥ 20000	9.7	23.9	28.7	33.8	38.3	39.6	39.9	41.1	41.8	42.4	42.5	42.8	43.0	43.3	43.4	43.6	
≥ 18000	9.7	23.9	28.7	33.8	38.3	39.6	39.9	41.1	41.8	42.4	42.5	42.8	43.0	43.3	43.4	43.6	
IV 16000	9.7	23.9	28.7	33.8	38.3	39.6	39.9	41.1	41.8	42.4	42.5	42.8	43.0	43.3	43.4	43.6	
IV 14000	9.7	23.9	28.7	33.8	38.3	39.6	39.9	41.1	41.8	42.4	42.5	42.8	43.0	43.3	43.4	43.6	
IV 12000	10.2	24.7	29.6	34.9	39.4	40.8	41.0	42.3	43.0	43.6	43.7	43.9	44.2	44.5	44.5	44.8	
IV 10000	11.8	28.3	34.0	40.1	45.3	47.1	47.4	48.7	49.4	50.0	50.2	50.4	50.6	50.9	51.0	51.3	
IV 9000	12.8	30.8	36.9	43.8	49.3	51.5	51.8	53.2	54.1	54.7	54.9	55.1	55.3	55.6	55.7	56.0	
IV 8000	13.1	31.7	38.3	45.4	51.1	53.6	54.0	55.3	56.4	57.0	57.2	57.4	57.7	57.9	58.0	58.3	
IV 7000	13.2	32.1	38.7	46.0	51.8	54.3	54.7	56.2	57.0	57.7	57.9	58.1	58.4	58.7	58.8	59.1	
IV 6000	14.7	34.4	41.3	49.3	55.6	58.3	58.7	60.2	61.2	61.9	62.1	62.4	62.8	63.2	63.3	63.6	
IV 5000	16.5	37.8	45.1	53.4	60.0	63.0	63.5	65.4	66.4	67.1	67.3	67.6	68.1	68.5	68.6	69.0	
IV 4500	16.6	37.9	45.2	53.5	60.2	63.1	63.6	65.5	66.5	67.2	67.4	67.7	68.2	68.6	68.8	69.1	
IV 4000	18.0	41.2	49.1	58.2	65.1	68.3	69.0	71.1	72.2	72.8	73.1	73.4	73.9	74.3	74.4	74.7	
IV 3500	18.4	41.7	49.7	58.8	65.9	69.1	69.7	71.9	72.9	73.6	73.9	74.1	74.6	75.0	75.2	75.3	
IV 3000	19.8	44.0	52.1	61.4	68.8	72.2	72.8	75.1	76.1	76.8	77.1	77.3	77.8	78.2	78.4	78.7	
IV 2500	20.4	44.8	53.1	62.0	70.3	74.0	74.6	76.9	77.9	78.6	78.9	79.2	79.6	80.1	80.3	80.5	
IV 2000	21.2	46.9	55.4	63.8	73.8	77.5	78.1	80.4	81.4	82.1	82.4	82.6	83.1	83.5	83.7	84.0	
IV 1800	21.3	47.0	55.5	64.0	74.0	77.9	78.5	80.8	81.8	82.5	82.8	83.0	83.5	83.9	84.1	84.4	
IV 1500	21.9	48.2	57.3	66.1	76.3	80.4	81.1	83.4	84.4	85.1	85.4	85.6	86.1	86.5	86.7	87.2	
IV 1200	22.5	49.2	58.5	69.6	77.9	82.0	82.8	85.2	86.2	86.9	87.2	87.4	87.9	88.3	88.5	88.8	
IV 1000	22.7	49.8	59.6	71.1	79.7	84.1	84.8	87.3	88.4	89.0	89.3	89.6	90.1	90.5	90.6	90.9	
IV 900	22.7	49.8	59.6	71.1	79.7	84.1	84.8	87.3	88.4	89.0	89.3	89.6	90.1	90.5	90.6	90.9	
IV 800	22.7	50.5	60.5	72.5	81.6	86.2	87.1	89.6	90.9	91.6	91.9	92.2	92.6	93.1	93.2	93.5	
IV 700	22.7	50.5	60.5	72.5	81.6	86.2	87.1	89.6	90.9	91.6	91.9	92.2	92.6	93.1	93.2	93.5	
IV 600	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	
IV 500	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	
IV 400	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	
IV 300	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	
IV 200	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	
IV 100	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	
IV 0	22.7	50.5	60.5	72.5	82.2	87.9	88.4	91.1	92.5	93.4	93.7	94.0	94.5	94.9	95.0	95.4	

TOTAL NUMBER OF OBSERVATIONS 1469

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/EJRT

55-70

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	19.0	26.9	30.5	31.7	32.9	33.0	33.0	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3
IV 20000	23.8	36.1	38.0	39.5	40.8	40.9	40.9	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 18000	23.8	36.1	38.0	39.5	40.8	40.9	40.9	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 16000	23.8	36.1	38.0	39.5	40.8	40.9	40.9	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 14000	23.8	36.1	38.0	39.5	40.8	40.9	40.9	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 12000	24.3	36.8	38.9	40.3	41.8	42.0	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 10000	26.8	41.5	43.8	45.5	47.0	47.3	47.3	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 9000	28.0	43.8	46.4	48.6	50.1	50.3	50.3	50.3	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 8000	28.3	44.7	47.4	49.9	51.4	51.6	51.6	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 7000	28.4	45.2	47.9	50.4	51.9	52.2	52.2	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 6000	29.7	47.0	50.1	52.7	54.3	54.7	54.7	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	32.3	51.0	54.4	57.5	59.2	59.6	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 4500	32.3	51.1	54.5	57.6	59.3	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 4000	36.3	56.3	60.1	63.9	65.4	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3500	37.6	57.7	61.5	65.0	66.8	67.2	67.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3000	42.2	64.0	68.2	72.1	74.2	74.7	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2500	45.5	68.8	73.2	77.3	79.7	80.3	80.4	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2000	47.7	72.5	77.1	81.7	84.3	85.0	85.2	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1800	48.1	72.9	77.6	82.4	85.1	85.8	86.0	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1500	49.9	76.2	81.1	86.6	89.9	90.8	91.0	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1200	50.4	77.3	82.4	88.2	91.6	92.6	92.9	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	50.9	78.4	83.5	89.7	93.3	94.3	94.8	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	51.0	78.6	83.9	90.1	93.7	94.8	95.3	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	51.2	79.0	84.4	90.8	94.4	95.7	96.3	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	51.2	79.1	84.5	91.0	94.7	96.0	96.7	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	51.2	79.1	84.5	91.2	95.2	96.6	97.3	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	51.2	79.2	84.6	91.3	95.3	96.8	97.5	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400	51.2	79.2	84.6	91.3	95.4	97.0	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	51.2	79.2	84.6	91.3	95.4	97.0	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	51.2	79.2	84.6	91.3	95.4	97.0	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	51.2	79.2	84.6	91.3	95.4	97.0	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	51.2	79.2	84.6	91.3	95.4	97.0	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 1456

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36177 NURNBERG GERMANY/PURTH

55-70

YEAR

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	25.7	29.6	29.9	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
IV 20000	34.0	39.1	39.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 18000	34.0	39.2	39.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 16000	34.2	39.4	39.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 14000	34.4	39.5	39.9	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 12000	35.9	41.2	41.3	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 10000	39.6	46.0	46.3	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 9000	41.9	49.2	49.9	50.7	50.8	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 8000	42.6	50.6	51.4	52.4	52.6	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 7000	43.2	51.3	52.2	53.3	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 6000	46.1	54.9	55.6	56.7	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 5000	50.7	60.7	61.9	63.3	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 4500	51.1	61.3	62.5	63.9	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4000	59.7	71.3	73.1	74.3	74.9	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3500	61.0	73.3	74.9	76.4	76.7	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	66.2	81.4	83.3	84.8	85.2	85.2	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	69.3	85.7	87.9	89.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	71.2	88.0	90.4	92.4	92.9	93.0	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	71.4	88.6	91.0	93.1	93.7	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	72.3	90.1	92.7	94.9	95.7	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	72.3	90.3	93.0	95.3	96.2	96.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	72.4	90.7	93.5	96.2	97.1	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	72.4	90.7	93.6	96.3	97.3	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	72.4	90.9	93.8	96.5	97.5	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	72.4	90.9	93.8	96.6	97.7	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	72.4	91.0	93.9	96.6	98.1	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	72.4	91.0	93.9	96.6	98.1	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	72.4	91.0	93.9	96.6	98.2	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	72.4	91.0	93.9	96.6	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	72.4	91.0	93.9	96.6	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	72.4	91.0	93.9	96.6	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	72.4	91.0	93.9	96.6	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1497

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMANY/EURTH

23-70

DATE

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	31.9	35.3	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
IV 18000	43.5	48.3	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 16000	43.5	48.3	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 14000	43.7	48.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 12000	44.7	49.6	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 10000	49.4	55.9	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 9000	51.2	58.4	59.4	59.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 8000	52.4	60.1	61.0	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	52.7	60.3	61.4	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 6000	56.8	65.5	66.6	67.1	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 5000	62.4	72.5	74.2	74.6	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	62.7	73.5	74.9	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000	68.2	81.0	82.4	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3500	69.1	82.4	84.0	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	72.1	87.4	89.6	90.4	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	73.3	89.2	91.7	92.5	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	73.9	90.7	93.4	94.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	74.2	91.0	93.8	94.8	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	74.7	91.7	94.7	96.0	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	74.7	91.8	94.8	96.2	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	74.7	91.9	94.9	96.3	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	74.7	91.9	95.0	96.5	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	74.8	92.1	95.2	96.8	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	74.8	92.1	95.2	96.9	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	74.8	92.1	95.2	97.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	74.8	92.2	95.3	97.2	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	74.8	92.3	95.4	97.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	74.8	92.3	95.4	97.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	74.8	92.3	95.4	97.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	74.8	92.3	95.4	97.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	74.8	92.3	95.4	97.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

1447

USAF ETAC

FORM
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

YEAR

4-6

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING /FEET.	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	29.2	38.0	39.6	41.2	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 20000	37.3	49.0	51.3	52.9	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 18000	37.3	49.1	51.4	53.0	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 16000	37.3	49.1	51.4	53.0	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 14000	37.4	49.2	51.5	53.1	53.6	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	38.1	50.2	52.7	54.3	54.9	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 10000	42.3	56.6	59.4	61.3	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 9000	44.3	60.4	63.4	65.4	66.2	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 8000	45.2	61.9	65.1	67.2	68.1	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	45.4	62.5	65.8	67.9	68.8	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	47.1	65.1	68.7	71.1	72.0	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	51.0	71.2	75.4	78.2	79.3	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1
IV 4500	51.2	71.7	75.0	78.5	80.0	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
IV 4000	54.8	77.1	81.9	85.0	86.2	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0
IV 3500	55.0	77.6	82.3	85.5	86.8	87.2	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.7
IV 3000	56.8	80.7	86.1	89.5	90.9	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.0
IV 2500	57.4	81.6	87.7	91.3	92.8	93.6	93.6	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
IV 2000	57.9	82.7	88.9	92.6	94.6	95.4	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	96.0	96.0
IV 1800	57.9	82.7	88.9	92.6	94.6	95.4	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	96.0	96.0
IV 1500	58.1	83.7	89.9	94.3	96.1	97.1	97.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.7	97.7
IV 1200	58.1	83.7	90.1	94.5	96.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
IV 1000	58.1	83.7	90.1	94.5	96.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
IV 900	58.1	83.7	90.1	94.5	96.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
IV 800	58.1	83.7	90.1	94.5	96.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
IV 700	58.1	83.7	90.2	94.7	96.7	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IV 600	58.1	83.8	90.2	94.8	96.7	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4
IV 500	58.1	83.8	90.2	94.8	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
IV 400	58.1	83.8	90.2	94.8	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
IV 300	58.1	83.8	90.2	94.8	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
IV 200	58.1	83.8	90.2	94.8	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
IV 100	58.1	83.8	90.2	94.8	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
IV 0	58.1	83.8	90.2	94.8	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 1466

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

YEAR

A-6

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUT MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	19.9	39.0	41.6	43.9	44.8	45.9	46.1	46.7	47.0	47.2	47.3	47.4	47.4	47.4	47.4	47.4
IV 18000	23.1	45.8	48.9	51.3	52.4	53.6	53.8	54.3	54.8	55.0	55.1	55.2	55.2	55.2	55.2	55.4
IV 16000	23.1	45.8	48.9	51.3	52.4	53.6	53.8	54.3	54.8	55.0	55.1	55.2	55.2	55.2	55.2	55.4
IV 14000	23.1	45.8	48.9	51.3	52.4	53.6	53.8	54.3	54.8	55.0	55.1	55.2	55.2	55.2	55.2	55.4
IV 12000	23.4	46.4	49.5	52.1	53.3	54.5	54.7	55.4	55.7	55.9	56.0	56.1	56.1	56.1	56.1	56.3
IV 10000	26.8	53.0	56.6	59.4	60.9	62.2	62.4	63.3	63.6	63.9	64.1	64.2	64.2	64.2	64.2	64.3
IV 9000	28.7	55.7	60.3	63.9	65.4	66.8	67.0	67.8	68.2	68.4	68.5	68.6	68.6	68.6	68.6	68.9
IV 8000	29.8	56.7	62.9	65.9	67.6	69.0	69.2	70.1	70.4	70.8	70.9	71.1	71.2	71.2	71.2	71.3
IV 7000	30.3	59.5	65.7	68.8	68.4	69.8	70.0	70.9	71.4	71.6	71.7	71.9	72.0	72.0	72.0	72.1
IV 6000	31.8	62.3	66.7	70.0	71.7	73.1	73.3	74.2	74.7	74.9	75.0	75.2	75.2	75.2	75.3	75.4
IV 5000	35.1	68.0	73.1	76.9	78.5	79.9	80.1	81.2	81.6	81.8	82.0	82.1	82.2	82.2	82.2	82.4
IV 4500	35.1	68.0	73.2	77.3	79.1	80.5	80.7	81.7	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.9
IV 4000	37.0	72.7	78.7	83.0	85.2	86.6	86.8	87.8	88.3	88.5	88.7	88.8	89.0	89.0	89.0	89.1
IV 3500	37.2	73.1	79.3	83.8	85.9	87.3	87.7	88.7	89.2	89.4	89.6	89.7	89.8	89.8	89.8	90.0
IV 3000	37.7	74.9	81.3	85.8	88.2	89.8	90.1	91.3	91.7	91.9	92.1	92.3	92.4	92.4	92.4	92.5
IV 2500	38.0	75.6	82.2	86.7	89.3	90.9	91.3	92.5	93.0	93.2	93.4	93.5	93.7	93.7	93.7	93.8
IV 2000	38.2	76.8	83.5	88.4	91.0	92.7	93.1	94.4	94.9	95.1	95.3	95.4	95.6	95.6	95.6	95.7
IV 1800	38.2	76.9	83.7	88.6	91.3	93.0	93.3	94.7	95.2	95.4	95.6	95.7	95.8	95.8	95.8	96.0
IV 1500	38.4	77.6	84.7	89.0	92.6	94.3	94.6	96.0	96.5	96.7	96.9	97.0	97.2	97.2	97.2	97.3
IV 1200	38.4	78.0	85.3	90.4	93.2	94.9	95.2	96.7	97.2	97.4	97.6	97.8	97.9	97.9	97.9	98.0
IV 1000	38.5	78.1	85.5	90.8	93.5	95.2	95.5	97.2	97.7	97.9	98.1	98.3	98.4	98.4	98.4	98.5
IV 900	38.5	78.2	85.6	90.8	93.6	95.4	95.7	97.3	97.8	98.0	98.2	98.3	98.5	98.5	98.5	98.6
IV 800	38.5	78.2	85.7	91.0	93.8	95.6	95.9	97.4	97.9	98.1	98.3	98.4	98.6	98.6	98.6	98.7
IV 700	38.5	78.2	85.7	91.1	93.9	95.7	96.0	97.5	98.0	98.2	98.4	98.5	98.7	98.7	98.7	98.8
IV 600	38.5	78.2	85.7	91.3	94.1	95.9	96.2	97.6	98.1	98.3	98.5	98.6	98.8	98.8	98.8	98.9
IV 500	38.5	78.2	85.7	91.4	94.1	96.0	96.3	97.7	98.2	98.4	98.6	98.7	98.9	98.9	98.9	99.0
IV 400	38.5	78.2	85.7	91.4	94.1	96.0	96.3	97.7	98.2	98.4	98.6	98.7	98.9	98.9	98.9	99.0
IV 300	38.5	78.2	85.7	91.4	94.1	96.0	96.3	97.7	98.2	98.4	98.6	98.7	98.9	98.9	98.9	99.0
IV 200	38.5	78.2	85.7	91.4	94.1	96.0	96.3	97.7	98.2	98.4	98.6	98.7	98.9	98.9	98.9	99.0
IV 100	38.5	78.2	85.7	91.4	94.1	96.0	96.3	97.7	98.2	98.4	98.6	98.7	98.9	98.9	98.9	99.0
IV 0	38.5	78.2	85.7	91.4	94.1	96.0	96.3	97.7	98.2	98.4	98.6	98.7	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 1486

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0477
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
LOCAL TIME

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	8.8	28.8	35.0	41.3	45.7	48.6	49.2	51.9	53.6	54.3	54.6	54.6	55.4	56.0	56.1	57.1
≥ 20000	9.1	30.2	36.9	43.2	48.4	51.7	52.3	55.2	57.0	57.9	58.2	58.2	59.0	59.6	59.7	60.7
IV 18000	9.1	30.2	36.9	43.2	48.4	51.7	52.3	55.2	57.0	57.9	58.2	58.2	59.0	59.6	59.7	60.7
IV 16000	9.1	30.2	37.0	43.9	48.5	51.8	52.4	55.4	57.1	58.0	58.3	58.3	59.0	59.7	59.8	60.8
IV 14000	9.1	30.4	37.2	44.1	48.7	52.0	52.6	55.6	57.3	58.2	58.5	58.5	59.2	59.9	60.0	61.0
IV 12000	9.2	30.3	37.6	44.6	49.2	52.2	52.8	55.8	57.5	58.4	58.7	58.7	59.4	60.1	60.2	61.2
IV 10000	10.1	33.3	40.3	47.0	52.6	56.1	56.7	59.7	61.4	62.3	62.6	62.6	63.6	64.2	64.3	65.3
IV 9000	11.0	35.7	42.4	51.0	55.8	59.3	60.1	63.1	64.9	65.9	66.3	66.3	67.3	67.7	67.9	68.8
IV 8000	11.6	37.6	45.3	53.2	58.0	61.6	62.4	65.4	67.2	68.4	69.0	69.0	69.7	70.4	70.6	71.6
IV 7000	11.8	38.1	46.0	53.7	58.5	62.4	63.0	66.3	68.0	69.0	69.3	69.3	70.3	71.0	71.1	72.1
IV 6000	12.7	40.6	48.9	56.9	61.7	65.7	66.3	69.7	71.4	72.4	72.7	72.7	73.7	74.4	74.5	75.5
IV 5000	13.9	43.3	51.6	60.2	65.0	69.3	69.9	73.3	75.1	76.1	76.4	76.4	77.4	78.1	78.2	79.2
IV 4500	14.3	43.9	52.4	60.9	65.8	70.0	70.7	74.1	75.9	76.8	77.4	77.4	78.2	78.9	79.0	80.0
IV 4000	15.1	47.0	53.7	65.1	70.4	73.0	73.6	79.1	81.1	82.1	82.4	82.4	83.4	84.1	84.2	85.2
IV 3500	15.2	47.4	56.2	65.8	71.6	76.1	76.7	80.3	82.2	83.2	83.7	83.7	84.5	85.2	85.3	86.3
IV 3000	15.8	49.0	57.9	67.9	73.8	78.4	79.0	82.8	84.8	85.7	86.3	86.3	87.1	87.8	88.0	89.3
IV 2500	15.9	49.5	58.6	68.9	74.6	79.6	80.2	84.2	86.3	87.3	87.8	87.8	88.7	89.4	89.5	90.5
IV 2000	15.9	50.1	59.2	69.7	75.7	80.7	81.3	85.4	87.5	88.5	89.0	89.0	89.7	90.5	90.7	91.8
IV 1800	16.0	50.4	59.5	70.0	76.0	81.1	81.7	85.8	87.9	88.9	89.4	89.4	90.1	90.7	90.8	91.8
IV 1500	16.2	50.9	60.1	70.9	76.9	82.1	82.7	86.9	89.1	90.1	90.7	90.7	91.7	92.4	92.5	93.5
IV 1200	16.2	51.0	60.2	71.1	77.1	82.3	82.9	87.1	89.3	90.3	90.8	90.8	91.8	92.5	92.6	93.6
IV 1000	16.2	51.3	61.1	72.2	78.4	83.7	84.4	88.8	91.0	92.0	92.6	92.6	93.6	94.3	94.4	95.4
IV 900	16.2	51.3	61.1	72.3	78.4	83.8	84.4	88.9	91.1	92.1	92.7	92.7	93.7	94.4	94.5	95.5
IV 800	16.3	51.5	61.5	72.7	78.9	84.2	84.8	89.4	91.7	92.6	93.2	93.2	94.2	94.9	95.1	96.0
IV 700	16.3	51.5	61.5	72.7	78.9	84.3	85.0	89.6	91.9	92.9	93.5	93.5	94.5	95.2	95.4	96.4
IV 600	16.3	51.5	61.5	72.7	78.9	84.3	85.0	89.7	92.0	93.0	93.6	93.6	94.6	95.3	95.5	96.5
IV 500	16.3	51.5	61.5	72.8	79.1	84.5	85.2	90.0	92.3	93.3	93.9	93.9	94.9	95.6	95.8	96.7
IV 400	16.3	51.5	61.5	72.8	79.1	84.5	85.2	90.1	92.4	93.4	94.0	94.0	95.1	95.8	95.9	96.9
IV 300	16.3	51.5	61.5	72.8	79.1	84.5	85.2	90.1	92.4	93.4	94.0	94.0	95.1	95.8	95.9	96.9
IV 200	16.3	51.5	61.5	72.8	79.1	84.5	85.2	90.1	92.4	93.4	94.0	94.0	95.1	95.8	95.9	96.9
IV 100	16.3	51.5	61.5	72.8	79.1	84.5	85.2	90.1	92.4	93.4	94.0	94.0	95.1	95.8	95.9	96.9
IV 0	16.3	51.5	61.5	72.8	79.1	84.5	85.2	90.1	92.4	93.4	94.0	94.0	95.1	95.8	95.9	96.9

TOTAL NUMBER OF OBSERVATIONS 1438

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34377

NURNBERG GERMANY/FURTH

55-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	4.9	20.1	24.8	29.8	33.0	36.6	38.7	41.5	43.8	45.1	45.7	45.9	46.9	48.1	49.5
≥ 20000	5.1	20.9	25.8	31.2	34.7	38.4	38.8	43.7	46.3	47.3	48.1	48.4	49.5	50.7	52.3
≥ 18000	5.1	20.9	25.8	31.2	34.7	38.4	38.8	43.7	46.3	47.3	48.1	48.4	49.5	50.7	52.3
≥ 16000	5.1	20.9	25.8	31.2	34.7	38.4	38.8	43.7	46.3	47.3	48.1	48.4	49.5	50.7	52.3
IV 14000	5.1	20.9	25.8	31.2	34.7	38.4	38.8	43.7	46.3	47.3	48.1	48.4	49.5	50.7	52.3
IV 12000	5.4	21.6	26.6	32.2	35.7	39.9	39.9	44.8	47.4	48.8	49.2	49.7	50.7	52.0	53.8
IV 10000	5.8	23.8	28.9	34.8	38.9	42.8	43.2	48.4	51.1	52.8	53.4	53.9	54.9	56.3	58.2
IV 9000	6.2	25.6	31.1	37.4	41.6	45.5	46.1	51.4	54.1	55.7	56.2	57.0	58.0	59.4	61.2
IV 8000	7.2	26.7	32.2	38.6	42.8	46.6	47.3	52.8	55.7	57.3	58.1	58.6	59.6	61.0	62.9
IV 7000	7.4	27.1	32.6	39.1	43.4	47.3	47.9	53.5	56.4	58.0	58.8	59.3	60.3	61.7	63.6
IV 6000	8.1	28.9	34.4	41.3	45.2	49.0	50.3	56.2	59.1	60.7	61.2	62.0	63.0	64.4	66.3
IV 5000	9.2	31.5	37.5	44.3	48.5	53.1	53.7	59.6	62.6	64.2	65.1	65.6	66.6	68.0	69.9
IV 4500	9.3	31.7	37.8	44.6	49.1	53.4	54.0	59.9	63.0	64.6	65.4	65.9	66.9	68.3	70.2
IV 4000	10.2	34.1	40.5	48.0	53.2	57.8	58.3	64.6	67.8	69.4	70.2	70.7	71.7	73.1	75.0
IV 3500	10.6	35.1	41.5	49.5	54.9	59.4	60.0	66.2	69.5	71.1	72.0	72.4	73.4	74.9	76.8
IV 3000	11.3	36.2	43.6	51.8	57.6	62.3	63.0	69.7	73.3	74.9	75.8	76.3	77.4	78.8	80.7
IV 2500	11.5	37.3	44.9	53.0	59.0	64.3	64.9	71.8	75.2	76.9	77.9	78.4	79.5	80.9	82.8
IV 2000	12.1	38.5	48.7	54.6	60.6	66.2	66.8	73.6	77.4	79.1	80.2	80.7	81.8	83.2	85.1
IV 1800	12.2	39.0	48.2	55.3	61.9	66.9	67.5	74.3	78.2	80.0	81.0	81.6	82.6	84.0	85.9
IV 1500	12.2	39.1	48.6	56.0	62.2	67.9	68.5	75.7	79.5	81.3	82.2	82.9	83.9	85.3	87.2
IV 1200	12.3	40.7	47.2	56.5	63.1	69.2	69.8	77.0	80.9	82.7	83.7	84.3	85.3	86.7	88.7
IV 1000	12.3	40.1	47.6	57.5	64.1	70.3	70.9	78.3	82.1	83.9	84.9	85.5	86.6	88.0	89.9
IV 900	12.5	40.3	47.8	57.8	64.4	70.7	71.3	78.7	82.5	84.3	85.3	85.9	87.0	88.4	90.4
IV 800	12.5	40.4	48.1	58.2	65.1	71.6	72.2	79.7	83.5	85.3	86.4	87.0	88.0	89.4	91.3
IV 700	12.5	40.4	48.1	58.4	65.2	71.9	72.5	80.1	83.9	85.7	86.8	87.4	88.4	89.8	91.7
IV 600	12.5	40.4	48.1	58.4	65.2	71.9	72.5	80.2	84.1	85.9	87.0	87.6	88.6	90.0	91.9
IV 500	12.5	40.4	48.1	58.4	65.3	72.0	72.6	80.6	84.5	86.3	87.4	88.0	89.0	90.4	92.3
IV 400	12.5	40.4	48.1	58.4	65.3	72.0	72.6	80.7	84.6	86.4	87.5	88.1	89.1	90.5	92.4
IV 300	12.5	40.4	48.1	58.4	65.3	72.1	72.7	80.9	84.8	86.6	87.7	88.3	89.3	90.7	92.6
IV 200	12.5	40.4	48.1	58.4	65.3	72.1	72.7	80.9	84.8	86.6	87.7	88.3	89.3	90.7	92.6
IV 100	12.5	40.4	48.1	58.4	65.3	72.1	72.7	80.9	84.8	86.6	87.7	88.3	89.3	90.7	92.6
IV 0	12.5	40.4	48.1	58.4	65.3	72.1	72.7	80.9	84.8	86.6	87.7	88.3	89.3	90.7	92.6

TOTAL NUMBER OF OBSERVATIONS 1437

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMANY/FURTH

52-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0400-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
∞ CEILING	5.3	14.5	18.5	24.4	29.1	32.3	33.6	36.5	37.6	38.1	38.5	38.7	39.2	39.8	40.1	41.2
IV 20000	6.1	16.7	21.4	28.6	34.4	37.9	39.4	42.7	43.9	44.5	44.8	45.0	45.7	46.3	46.6	47.7
IV 18000	6.1	16.7	21.4	28.6	34.4	37.9	39.4	42.7	43.9	44.5	44.8	45.0	45.7	46.3	46.6	47.7
IV 16000	6.1	16.7	21.4	28.6	34.4	37.9	39.4	42.7	43.9	44.5	44.8	45.0	45.7	46.3	46.6	47.7
IV 14000	6.1	16.7	21.4	28.6	34.4	37.9	39.4	42.7	43.9	44.5	44.8	45.0	45.7	46.3	46.6	47.7
IV 12000	6.3	17.1	21.9	29.3	35.2	39.0	40.4	43.9	45.3	45.9	46.3	46.5	47.3	47.8	48.1	49.2
IV 10000	7.0	19.5	24.5	32.7	38.9	43.1	44.7	48.5	50.1	50.8	51.4	51.8	52.4	53.0	53.3	54.4
IV 9000	7.5	20.9	26.1	34.8	41.5	46.0	47.7	51.6	53.5	54.2	54.7	55.0	55.9	56.5	56.8	57.9
IV 8000	7.8	21.2	26.9	36.1	42.9	47.6	49.2	53.1	55.0	55.8	56.4	56.8	57.5	58.1	58.4	59.5
IV 7000	7.6	21.3	27.0	36.2	43.0	47.8	49.4	53.4	55.2	56.0	56.6	56.9	57.7	58.3	58.6	59.7
IV 6000	8.2	22.0	27.8	37.4	44.7	49.5	51.6	55.7	57.5	58.4	58.9	59.1	60.1	60.7	61.0	62.1
IV 5000	9.4	24.2	30.5	40.9	48.0	54.7	56.7	60.8	62.8	63.8	64.4	64.7	65.6	66.2	66.5	67.6
IV 4500	9.5	24.4	30.7	41.1	48.2	55.0	57.0	61.1	63.1	64.1	64.7	64.9	65.9	66.5	66.8	67.9
IV 4000	10.9	27.1	33.8	44.9	53.8	59.6	61.8	66.2	68.2	69.3	69.9	70.3	71.2	71.8	72.1	73.2
IV 3500	11.2	27.7	34.4	45.6	54.5	60.5	62.8	67.0	69.1	70.1	70.7	71.1	72.0	72.6	72.9	74.0
IV 3000	12.1	29.1	36.2	48.5	57.2	63.5	65.9	70.3	72.3	73.5	74.1	74.6	75.4	76.0	76.3	77.6
IV 2500	12.6	30.3	37.6	49.8	59.5	65.8	68.2	72.6	74.7	75.8	76.5	76.9	77.9	78.5	78.8	80.0
IV 2000	13.1	31.3	38.9	51.2	61.5	68.1	70.5	75.1	77.2	78.3	79.0	79.5	80.7	81.4	81.7	82.9
IV 1800	13.1	31.4	39.0	51.3	61.6	68.2	70.6	75.2	77.3	78.4	79.1	79.6	80.8	81.5	81.8	83.0
IV 1500	13.2	31.5	39.1	51.4	61.7	68.3	70.7	75.3	77.4	78.5	79.2	79.7	80.9	81.6	81.9	83.1
IV 1200	13.3	32.3	40.4	53.5	63.9	71.0	73.4	78.0	80.1	81.2	81.9	82.4	83.6	84.3	84.6	85.8
IV 1000	13.6	33.4	41.8	54.7	65.9	73.1	75.5	80.1	82.2	83.3	84.0	84.5	85.7	86.4	86.7	87.9
IV 900	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 800	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 700	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 600	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 500	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 400	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 300	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 200	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 100	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6
IV 0	13.8	33.9	41.8	55.2	66.5	73.8	76.2	80.8	82.9	84.0	84.7	85.2	86.4	87.1	87.4	88.6

TOTAL NUMBER OF OBSERVATIONS 1422

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34177 STATION NURNBERG GERMANY/FORT

35-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	15.4	26.3	31.7	34.9	37.3	38.3	38.8	39.8	39.8	39.8	39.8	39.9	40.0	40.0	40.0	40.0
≥ 20000	19.2	33.5	39.5	43.3	46.2	47.4	48.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4
IV 18000	19.2	33.5	39.5	43.3	46.2	47.4	48.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4
IV 16000	19.2	33.5	39.5	43.3	46.2	47.4	48.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4
IV 4000	19.3	32.6	39.6	43.3	46.4	47.6	48.2	49.3	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6
IV 12000	19.7	34.1	40.1	44.0	47.1	48.3	48.9	50.0	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3
IV 10000	20.8	36.8	43.1	47.5	50.7	52.1	52.8	54.0	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3
IV 9000	21.5	38.3	44.6	49.1	52.4	53.8	54.5	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9
IV 8000	21.9	38.9	45.2	50.2	53.7	55.1	55.8	57.0	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3
IV 7000	22.0	39.2	45.7	50.6	54.1	55.6	56.3	57.5	57.6	57.6	57.7	57.8	57.8	57.8	57.8	57.8
IV 6000	22.7	40.4	47.3	52.4	55.9	57.4	58.1	59.3	59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7
IV 5000	23.1	43.7	51.1	56.7	60.3	61.9	62.6	64.0	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4
IV 4500	23.2	44.1	51.5	57.2	60.9	62.4	63.1	64.5	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.0
IV 4000	23.1	47.4	55.5	61.7	65.7	67.3	68.1	69.5	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0
≥ 3500	27.5	47.9	56.0	62.4	66.4	68.1	68.8	70.3	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7
IV 3000	30.4	52.9	60.7	68.0	72.5	74.3	75.2	76.8	76.9	77.1	77.2	77.3	77.3	77.3	77.3	77.3
IV 2500	32.9	55.7	64.5	72.3	77.3	79.2	80.1	81.6	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1
IV 2000	34.3	58.6	67.9	76.4	81.3	83.8	84.7	86.3	86.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9
IV 1800	34.3	58.7	68.1	76.8	81.6	84.0	84.8	86.5	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.1
IV 1500	35.7	61.0	70.7	79.5	84.8	87.1	88.0	89.9	90.1	90.2	90.4	90.6	90.6	90.6	90.6	90.6
IV 1200	35.9	61.5	71.3	80.4	85.9	88.3	89.4	91.2	91.4	91.4	91.6	91.8	91.9	91.9	91.9	91.9
IV 1000	36.3	62.0	72.0	81.4	87.3	90.1	91.1	93.1	93.1	93.5	93.5	93.9	93.9	93.9	93.9	93.9
IV 900	36.3	62.0	72.0	81.4	87.3	90.1	91.1	93.1	93.1	93.5	93.5	93.9	93.9	93.9	93.9	93.9
IV 800	36.3	62.1	72.3	81.9	88.2	90.9	92.0	93.2	93.4	93.6	93.6	94.0	94.0	94.0	94.0	94.0
IV 700	36.3	62.1	72.3	82.1	88.7	91.6	92.8	93.1	93.4	93.5	93.5	94.0	94.0	94.0	94.0	94.0
IV 600	36.3	62.1	72.3	82.3	89.1	92.3	93.6	93.6	93.6	93.6	93.6	94.0	94.0	94.0	94.0	94.0
IV 500	36.3	62.1	72.3	82.4	89.2	92.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
IV 400	36.3	62.1	72.3	82.4	89.2	92.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
IV 300	36.3	62.1	72.3	82.4	89.2	92.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
IV 200	36.3	62.1	72.3	82.4	89.2	92.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
IV 100	36.3	62.1	72.3	82.4	89.2	92.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0
IV 0	36.3	62.1	72.3	82.4	89.2	92.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS 1421

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

54177 NURNBERG GERMANY/FURTH

55-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	26.5	37.0	38.7	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 20000	35.6	49.2	51.1	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	35.6	49.2	51.1	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	35.7	49.3	51.1	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	35.8	49.4	51.2	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	36.5	50.4	52.2	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 10000	38.7	53.7	55.6	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	39.6	55.3	57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	39.9	55.7	57.3	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000	40.6	56.3	58.5	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	42.7	59.4	61.6	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000	46.3	64.0	66.5	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 4500	46.6	64.3	67.1	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 4000	51.6	70.7	73.7	76.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	52.2	72.0	75.0	77.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3000	56.5	77.9	81.2	83.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	59.4	81.1	84.7	87.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2000	61.7	84.2	88.0	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	61.7	84.3	88.2	91.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	62.0	85.4	89.5	93.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	62.1	85.6	89.8	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	62.2	85.9	90.1	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 900	62.2	85.9	90.1	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	62.2	86.0	90.3	94.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	62.2	86.0	90.3	94.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 0	62.2	86.2	90.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 1412

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34177 NURNBERG, GERMANY/FAITH

55-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000	30.0	39.3	40.9	41.9	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.5
IV 18000	40.0	52.2	53.7	53.0	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8
IV 16000	40.0	52.2	53.7	53.0	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8
IV 14000	40.1	52.3	53.9	53.1	55.5	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 12000	40.6	53.0	54.6	53.8	56.2	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7
IV 10000	43.7	57.2	59.2	60.5	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7
IV 9000	44.8	58.7	60.9	62.6	63.2	63.5	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7
IV 8000	45.5	60.0	62.2	64.1	64.8	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	45.7	60.5	62.7	64.7	65.2	65.8	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1
IV 6000	48.6	64.8	67.1	69.2	69.9	70.4	70.4	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6
IV 5000	52.8	70.5	73.2	75.4	76.1	76.7	76.7	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0
IV 4500	53.3	71.2	73.9	76.1	76.8	77.4	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	59.2	79.2	82.0	84.4	85.2	85.9	85.9	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3
IV 3500	59.9	80.0	83.0	85.4	86.4	86.9	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	62.0	83.2	86.5	89.0	90.4	90.9	91.0	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	63.0	84.7	88.3	91.0	92.5	93.1	93.2	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2000	63.4	85.6	89.3	92.5	94.3	94.9	95.0	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5
IV 1800	63.4	85.7	89.4	92.6	94.4	95.0	95.1	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6
IV 1500	63.6	86.0	89.8	92.1	95.0	95.8	96.0	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	63.6	86.1	90.1	93.5	95.5	96.2	96.4	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	63.8	86.6	90.7	94.4	96.5	97.3	97.5	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	63.8	86.6	90.7	94.4	96.5	97.3	97.5	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	63.8	86.6	90.7	94.6	96.7	97.5	97.7	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	63.8	86.6	90.7	94.6	96.7	97.5	97.7	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	63.8	86.7	90.9	94.8	97.0	97.9	98.2	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	63.8	86.7	90.9	95.0	97.3	98.2	98.5	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8
IV 400	63.8	86.7	90.9	95.0	97.3	98.4	98.7	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	63.8	86.7	90.9	95.0	97.3	98.4	98.7	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	63.8	86.7	90.9	95.0	97.3	98.4	98.7	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	63.8	86.7	90.9	95.0	97.3	98.4	98.7	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	63.8	86.7	90.9	95.0	97.3	98.4	98.7	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1414

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36177 NURNBERG GERMANY/FURTH

55-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1422-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING ≥ 20000	17.5 21.0	37.4 44.7	42.2 50.6	45.3 54.0	47.8 56.8	48.6 57.5	48.8 57.8	49.3 58.5	49.5 58.7	49.6 58.7	49.6 58.8	49.7 58.9	49.9 59.1	50.0 59.2	50.0 59.2
IV 18000 IV 16000	21.0 21.0	44.7 44.7	50.6 50.6	54.0 54.0	56.8 56.8	57.5 57.5	57.8 57.8	58.5 58.5	58.7 58.7	58.7 58.7	58.8 58.8	58.9 58.9	59.1 59.1	59.2 59.2	59.2 59.2
IV 14000 IV 12000	21.1 21.3	44.8 45.2	50.8 51.4	54.2 54.9	57.0 57.6	57.8 58.4	58.0 58.7	58.7 59.3	58.9 59.5	58.9 59.6	59.0 59.6	59.1 59.7	59.3 59.9	59.4 60.1	59.4 60.1
IV 10000 IV 9000	22.7 23.5	48.6 50.9	53.0 57.2	58.7 61.5	61.6 64.6	62.4 65.5	62.7 65.8	63.4 66.6	63.6 66.8	63.8 66.9	63.9 67.1	64.0 67.2	64.1 67.4	64.4 67.5	64.4 67.5
IV 8000 IV 7000	24.1 24.4	52.3 52.9	58.7 59.4	63.2 64.1	66.3 67.3	67.4 68.2	67.7 68.6	68.6 69.4	68.8 69.6	68.9 69.8	69.1 69.9	69.1 70.0	69.2 70.2	69.5 70.3	69.5 70.2
IV 6000 IV 5000	25.2 27.9	55.2 59.4	61.8 66.2	66.7 71.4	70.0 74.7	70.9 75.3	71.2 75.4	72.1 77.2	72.4 77.2	72.5 77.2	72.6 77.9	72.7 78.0	72.9 78.2	73.1 78.4	73.1 78.4
IV 4500 IV 4000	28.1 31.4	60.0 66.6	67.0 73.8	72.4 79.6	75.6 83.1	76.8 84.4	77.2 84.8	78.2 86.0	78.5 86.2	78.7 86.3	78.9 86.6	78.9 86.7	79.2 86.9	79.4 87.1	79.4 87.1
IV 3500 IV 3000	31.9 32.8	67.3 69.5	74.7 77.3	80.6 83.4	84.0 86.9	85.3 88.5	85.8 89.1	86.9 90.4	87.2 90.6	87.4 90.8	87.5 90.9	87.6 91.0	87.8 91.2	88.0 91.4	88.0 91.4
IV 2500 IV 2000	33.3 33.8	70.7 71.9	78.7 79.9	84.8 86.3	88.6 90.2	90.2 92.2	90.7 92.5	92.1 94.3	92.3 94.5	92.3 94.7	92.6 94.9	92.7 95.0	92.9 95.2	93.1 95.4	93.1 95.4
IV 1800 IV 1500	33.8 34.0	72.1 72.5	80.1 80.6	86.7 87.2	90.7 91.3	92.8 93.4	93.5 94.1	94.9 95.7	95.2 95.9	95.4 96.1	95.5 96.2	95.6 96.3	95.9 96.4	96.1 96.8	96.1 96.8
IV 1200 IV 1000	34.0 34.2	72.9 73.2	81.2 81.6	88.0 88.6	92.3 92.8	94.5 95.1	95.2 95.8	96.9 97.8	97.1 98.0	97.3 98.2	97.3 98.4	97.5 98.5	97.8 98.7	98.0 98.9	98.0 98.9
IV 900 IV 800	34.2 34.2	73.2 73.2	81.6 81.6	88.6 88.6	93.5 92.8	95.1 95.1	95.8 95.8	97.8 97.8	98.1 98.1	98.3 98.3	98.3 98.3	98.6 98.6	98.8 98.8	99.0 99.0	99.0 99.0
IV 700 IV 600	34.2 34.2	73.2 73.2	81.6 81.6	88.6 88.6	93.5 93.0	95.2 95.3	95.9 96.0	97.9 98.0	98.2 98.5	98.3 98.7	98.3 98.9	98.9 99.1	99.1 99.3	99.3 99.5	99.3 99.5
IV 500 IV 400	34.2 34.2	73.2 73.2	81.6 81.6	88.6 88.6	93.5 93.1	95.4 95.4	96.1 96.1	98.2 98.2	98.6 98.7	98.9 98.9	99.2 99.2	99.4 99.4	99.5 99.6	99.8 99.8	99.8 99.8
IV 300 IV 200	34.2 34.2	73.2 73.2	81.6 81.6	88.6 88.6	93.5 93.1	95.4 95.4	96.1 96.1	98.2 98.2	98.7 98.7	99.1 99.1	99.4 99.4	99.5 99.5	99.7 99.7	99.9 99.9	99.9 99.9
IV 100 IV 0	34.2 34.2	73.2 73.2	81.6 81.6	88.6 88.6	93.5 93.1	95.4 95.4	96.1 96.1	98.2 98.2	98.7 98.7	99.2 99.2	99.4 99.4	99.6 99.6	99.8 99.8	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 1425

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

84177 NURNBERG GERMANY/FORTH

55-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING ≥ 20000	11.5 13.1	34.7 38.6	40.9 45.5	46.4 51.4	50.1 55.2	51.9 57.2	52.4 57.7	54.6 59.8	55.0 60.3	55.2 60.5	55.6 60.7	55.5 60.7	55.9 61.2	56.0 61.3	56.1 61.4	56.6 62.1
IV 18000 IV 16000	13.1 13.1	38.6 38.6	45.5 45.5	51.4 51.4	55.2 55.2	57.2 57.2	57.7 57.7	59.8 59.8	60.3 60.3	60.5 60.5	60.7 60.7	60.7 60.7	61.2 61.2	61.3 61.3	61.4 61.4	62.1 62.1
IV 14000 IV 12000	13.3 13.8	38.8 39.2	45.7 46.1	51.6 52.3	55.5 56.1	57.4 58.0	57.9 58.5	60.0 60.7	60.5 61.1	60.7 61.4	60.9 61.5	60.9 61.6	61.4 62.0	61.5 62.1	61.6 62.2	62.3 62.9
IV 10000 IV 9000	15.1 16.2	42.7 44.7	50.7 52.7	57.2 59.3	61.2 63.2	63.1 65.4	63.7 65.9	65.9 68.4	66.3 68.8	66.6 69.1	66.8 69.3	67.0 69.5	67.4 69.9	67.5 70.0	67.6 70.1	68.3 70.8
IV 8000 IV 7000	16.3 16.6	46.0 46.7	54.2 55.1	60.9 61.8	65.0 65.9	67.1 68.0	67.6 68.5	70.0 71.0	70.8 71.4	70.7 71.6	71.0 71.9	71.2 72.1	71.6 72.5	71.7 72.6	71.8 72.7	72.5 73.4
IV 6000 IV 5000	18.1 19.7	49.7 52.3	58.4 62.2	65.4 69.4	69.5 73.6	71.6 75.9	72.3 76.6	74.7 79.0	75.1 79.5	75.4 79.8	75.6 80.1	75.8 80.3	76.2 80.7	76.4 80.8	76.4 80.9	77.1 81.6
IV 4500 IV 4000	20.0 21.6	54.0 57.5	63.0 67.1	70.1 74.8	74.4 79.4	76.7 82.0	77.3 82.7	79.8 85.3	80.3 85.8	80.6 86.2	80.8 86.4	81.0 86.6	81.4 87.0	81.6 87.1	81.7 87.2	82.3 87.9
IV 3500 IV 3000	22.0 22.3	58.2 59.9	67.7 69.6	75.6 77.3	80.3 82.3	82.9 85.3	83.6 86.1	86.2 89.0	86.7 89.5	87.1 89.9	87.3 90.1	87.5 90.3	87.9 90.7	88.0 90.8	88.1 90.9	88.8 91.6
IV 2500 IV 2000	22.5 22.7	60.5 60.9	70.3 71.2	78.5 79.4	83.3 84.2	86.4 87.8	87.2 88.6	90.2 91.7	90.7 92.2	91.0 92.6	91.2 92.8	91.5 93.1	91.9 93.5	92.0 93.6	92.1 93.7	92.8 93.4
IV 1800 IV 1500	22.8 22.9	61.3 61.8	71.6 72.3	79.9 80.5	84.7 85.5	88.4 89.2	89.1 89.9	92.4 93.2	92.8 93.7	93.3 94.1	93.5 94.3	93.7 94.5	94.2 95.0	94.4 95.1	94.4 95.2	95.1 95.9
IV 1200 IV 1000	23.1 23.2	62.4 63.0	72.9 73.5	81.2 81.8	86.3 87.0	90.1 90.8	90.8 91.5	94.1 95.0	94.6 95.6	95.0 96.0	95.2 96.2	95.4 96.5	95.9 96.9	96.0 97.1	96.1 97.2	96.8 97.8
IV 900 IV 800	23.3 23.3	63.2 63.2	73.7 73.7	82.0 82.1	87.3 87.4	91.0 91.2	91.8 91.9	95.3 95.4	95.9 96.2	96.3 96.6	96.5 96.8	96.7 97.0	97.2 97.5	97.4 97.6	97.4 97.7	98.1 98.4
IV 700 IV 600	23.3 23.3	63.2 63.2	73.7 73.7	82.1 82.1	87.4 87.6	91.2 91.3	91.9 92.1	95.4 95.8	96.2 96.6	96.7 97.0	96.9 97.2	97.1 97.4	97.5 97.9	97.7 98.1	97.7 98.1	98.5 98.8
IV 500 IV 400	23.3 23.3	63.2 63.2	73.7 73.7	82.1 82.1	87.6 87.6	91.3 91.3	92.1 92.1	95.8 95.8	96.7 96.7	97.1 97.2	97.3 97.4	97.5 97.6	98.0 98.1	98.1 98.3	98.2 98.3	98.9 99.0
IV 300 IV 200	23.3 23.3	63.2 63.2	73.7 73.7	82.1 82.1	87.6 87.6	91.3 91.3	92.1 92.1	95.9 95.9	96.9 96.9	97.3 97.4	97.6 97.6	97.8 97.8	98.3 98.3	98.4 98.5	98.5 98.5	99.2 99.2
IV 100 IV 0	23.3 23.3	63.2 63.2	73.7 73.7	82.1 82.1	87.6 87.6	91.3 91.3	92.1 92.1	95.9 95.9	96.9 96.9	97.4 97.4	97.6 97.6	97.8 97.8	98.3 98.3	98.5 98.5	98.5 98.6	99.3 100.0

TOTAL NUMBER OF OBSERVATIONS 1439

DATA PROCESSING DIVISION
USAF FTAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

84177 NURNBERG GERMANY/FURTH

55-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.8	13.2	17.6	23.1	27.5	30.8	31.4	36.1	38.3	39.9	40.6	41.0	41.3	42.4	43.3	44.1
≥20000	3.4	14.5	19.2	24.9	29.4	33.3	34.1	39.3	41.5	43.2	43.8	44.2	45.1	45.7	46.5	47.3
≥18000	3.4	14.5	19.2	24.9	29.4	33.3	34.1	39.3	41.5	43.2	43.8	44.2	45.1	45.7	46.5	47.3
≥16000	3.4	14.5	19.2	24.9	29.4	33.3	34.1	39.3	41.5	43.2	43.8	44.2	45.1	45.7	46.5	47.3
≥14000	3.4	14.5	19.2	24.9	29.4	33.3	34.2	39.4	41.7	43.4	44.0	44.4	45.3	45.9	46.7	47.5
≥12000	3.4	14.7	19.4	25.2	29.6	33.5	34.3	39.5	41.8	43.5	44.1	44.5	45.5	46.0	46.9	47.7
≥10000	3.9	16.5	21.7	27.8	32.2	36.3	37.2	42.6	44.9	46.7	47.3	47.7	48.6	49.2	50.0	50.8
≥9000	4.6	18.4	24.1	30.5	35.1	39.3	40.1	45.6	47.9	49.7	50.3	50.7	51.6	52.2	53.1	53.9
≥8000	4.9	19.3	25.2	31.7	36.5	40.7	41.6	47.2	49.6	51.6	52.2	52.6	53.5	54.1	54.9	55.7
≥7000	5.1	19.8	25.8	32.5	37.5	41.7	42.6	48.2	50.6	52.6	53.2	53.6	54.5	55.1	56.0	56.8
≥6000	6.0	21.1	27.4	34.4	39.6	43.9	45.0	50.8	53.3	55.2	55.9	56.3	57.2	57.7	58.6	59.4
≥5000	6.7	23.2	29.9	37.2	42.5	46.8	47.9	53.8	56.3	58.2	58.9	59.3	60.3	60.9	61.8	62.6
≥4500	6.9	23.6	30.4	37.7	43.0	47.3	48.4	54.3	56.8	58.7	59.4	59.8	60.7	61.4	62.3	63.1
≥4000	7.6	26.0	33.8	41.3	46.8	51.2	52.5	58.8	61.3	63.2	63.9	64.3	65.2	65.9	66.8	67.6
≥3500	8.1	26.9	34.9	42.7	48.2	52.7	54.0	60.4	62.9	64.8	65.5	65.9	66.8	67.5	68.4	69.2
≥3000	8.8	28.9	37.1	45.7	51.4	56.0	57.4	64.3	66.8	68.7	69.5	69.9	70.8	71.5	72.4	73.2
≥2500	9.1	30.0	38.6	47.4	53.3	58.3	59.8	66.6	69.2	71.1	71.9	72.3	73.2	73.9	74.8	75.6
≥2000	9.5	32.1	41.0	50.5	56.6	62.3	63.8	71.1	73.6	75.6	76.4	76.8	77.8	78.5	79.4	80.2
≥1800	9.7	32.6	41.6	51.3	57.4	63.2	64.9	72.0	74.6	76.6	77.3	77.7	78.7	79.4	80.3	81.1
≥1500	9.8	33.6	42.7	53.1	59.4	65.7	67.4	74.8	77.4	79.4	80.2	80.6	81.6	82.2	83.1	83.9
≥1200	10.0	33.9	43.2	54.0	60.5	67.1	68.8	76.3	78.9	81.0	81.8	82.2	83.2	83.9	84.8	85.6
≥1000	10.3	34.4	44.0	54.1	62.1	69.3	71.1	79.0	81.8	84.1	84.9	85.3	86.3	87.0	87.8	88.6
≥900	10.3	34.5	44.1	55.2	62.3	69.5	71.4	79.4	82.2	84.5	85.3	85.8	86.8	87.5	88.4	89.2
≥800	10.4	34.8	44.6	55.9	63.1	70.3	72.3	80.4	83.3	85.5	86.3	86.9	87.9	88.6	89.4	90.2
≥700	10.4	35.0	44.9	56.4	63.7	71.1	73.1	81.3	84.3	86.6	87.4	87.9	88.9	89.6	90.5	91.3
≥600	10.4	35.0	45.0	56.6	63.9	71.6	73.5	81.9	84.8	87.3	88.1	88.7	89.7	90.5	91.3	92.1
≥500	10.4	35.0	45.0	56.6	64.0	72.0	74.0	82.0	85.0	87.5	88.3	88.9	89.9	90.8	91.7	92.5
≥400	10.4	35.0	45.0	56.6	64.1	72.1	74.1	82.1	85.1	87.6	88.4	89.0	90.0	90.9	91.7	92.6
≥300	10.4	35.0	45.0	56.6	64.1	72.1	74.1	82.1	85.1	87.6	88.4	89.0	90.0	90.9	91.7	92.6
≥200	10.4	35.0	45.0	56.6	64.1	72.1	74.1	82.1	85.1	87.6	88.4	89.0	90.0	90.9	91.7	92.6
≥100	10.4	35.0	45.0	56.6	64.1	72.1	74.1	82.1	85.1	87.6	88.4	89.0	90.0	90.9	91.7	92.6
0	10.4	35.0	45.0	56.6	64.1	72.1	74.1	82.1	85.1	87.6	88.4	89.0	90.0	90.9	91.7	92.6

TOTAL NUMBER OF OBSERVATIONS 1487

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34177 NURNBERG, GERMANY/F.R.G.

55-70

ACT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

330-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	2.8	9.7	12.1	16.6	20.4	24.4	25.1	30.2	31.7	33.3	33.8	34.6	35.6	36.4	36.7	38.1
IV 20000	3.2	11.0	13.9	18.9	23.2	27.6	28.3	33.5	35.0	36.6	37.1	38.1	39.2	40.0	40.2	41.7
IV 18000	3.2	11.0	13.9	18.9	23.2	27.6	28.3	33.6	35.2	36.7	37.3	38.2	39.4	40.1	40.4	41.8
IV 16000	3.2	11.0	13.9	18.9	23.2	27.6	28.3	33.6	35.2	36.7	37.3	38.2	39.4	40.1	40.4	41.8
IV 14000	3.2	11.0	13.9	18.9	23.2	27.6	28.3	33.6	35.2	36.7	37.3	38.2	39.4	40.1	40.4	41.8
IV 12000	3.3	11.2	14.3	19.3	23.7	28.1	28.8	34.0	35.6	37.2	37.7	38.7	39.8	40.6	40.8	42.3
IV 10000	3.8	12.7	16.3	21.3	26.1	30.7	31.5	36.9	38.6	40.4	40.9	41.8	43.1	43.8	44.1	45.7
IV 9000	4.4	14.1	18.0	23.3	28.0	32.6	33.4	38.9	40.8	42.5	43.1	44.0	45.2	46.0	46.2	47.8
IV 8000	4.8	14.6	18.5	23.9	28.6	33.3	34.1	39.6	41.4	43.2	43.8	44.7	46.0	46.7	47.0	48.6
IV 7000	4.9	15.0	19.3	24.7	29.3	34.2	35.0	40.3	42.3	44.1	44.7	45.6	46.8	47.6	47.8	49.5
IV 6000	5.3	16.2	20.6	26.0	31.1	35.9	36.8	42.3	44.1	45.9	46.3	47.4	48.7	49.4	49.7	51.3
IV 5000	6.5	18.3	24.0	29.3	34.8	39.7	40.8	46.6	48.4	50.2	50.8	51.8	53.0	53.7	54.0	55.7
IV 4500	6.7	19.6	24.3	29.9	35.2	40.0	41.2	46.9	48.7	50.5	51.1	52.1	53.3	54.0	54.3	56.0
IV 4000	7.1	21.4	26.5	32.4	37.9	42.9	44.2	50.3	52.3	54.1	54.7	55.7	56.9	57.6	57.9	59.6
IV 3500	7.5	22.3	27.6	33.7	39.2	44.3	45.8	51.9	53.8	55.7	56.3	57.2	58.4	59.2	59.4	61.1
IV 3000	8.3	24.9	30.9	37.6	43.3	48.6	50.2	56.8	58.8	60.6	61.3	62.2	63.4	64.2	64.4	66.1
IV 2500	8.8	26.6	32.8	40.0	45.8	51.3	53.0	59.9	62.1	63.9	64.6	65.3	66.7	67.5	67.7	69.4
IV 2000	9.2	28.2	34.5	41.9	48.0	53.9	55.6	62.3	64.8	66.6	67.3	68.2	69.4	70.1	70.4	72.1
IV 1800	9.3	28.4	35.0	42.8	49.1	55.1	56.7	63.4	66.2	68.1	68.7	69.6	70.8	71.6	71.8	73.5
IV 1500	9.5	29.3	36.3	44.3	51.2	57.3	59.2	66.4	68.9	70.8	71.4	72.4	73.7	74.5	74.7	76.4
IV 1200	9.6	29.5	37.1	45.8	52.7	59.4	61.2	68.6	71.2	73.0	73.8	74.8	76.1	76.8	77.1	78.8
IV 1000	9.7	30.2	38.2	47.3	54.8	61.9	63.7	71.6	74.2	76.1	76.8	77.8	79.1	79.9	80.1	81.8
IV 900	9.7	30.3	38.3	47.4	55.0	62.1	63.9	71.9	74.5	76.3	77.1	78.0	79.4	80.1	80.4	82.1
IV 800	9.8	30.5	38.7	48.1	55.9	63.5	65.3	73.5	76.1	78.2	78.9	79.9	81.2	81.9	82.2	83.9
IV 700	9.8	30.6	39.0	48.7	56.3	64.2	66.0	74.6	77.2	79.2	80.0	81.0	82.3	83.2	83.4	85.1
IV 600	9.8	30.8	39.6	49.3	57.3	65.2	67.0	75.9	78.7	80.9	81.7	82.7	84.0	84.8	85.1	86.8
IV 500	9.8	30.9	39.7	49.5	58.0	65.9	67.8	76.9	79.8	82.1	82.8	83.8	85.1	85.9	86.2	88.0
IV 400	9.8	30.9	39.7	49.5	58.0	65.9	67.8	77.1	80.5	83.2	83.9	84.9	86.2	87.1	87.4	89.1
IV 300	9.8	30.9	39.7	49.5	58.0	65.9	67.9	77.4	80.6	83.8	84.8	86.0	87.4	88.3	88.5	90.2
IV 200	9.8	30.9	39.7	49.5	58.0	65.9	67.9	77.6	81.3	84.2	85.3	86.5	87.9	88.9	89.2	90.9
IV 100	9.8	30.9	39.7	49.5	58.0	65.9	67.9	77.6	81.3	84.3	85.4	86.5	88.0	88.9	89.3	91.0
IV 0	9.8	30.9	39.7	49.5	58.0	65.9	67.9	77.6	81.3	84.3	85.4	86.5	88.0	88.9	89.3	91.0

TOTAL NUMBER OF OBSERVATIONS 1484

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FORT

35-70

101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	2.5	6.1	7.4	9.3	13.3	16.1	17.7	21.9	23.7	25.1	25.8	26.5	27.5	28.5	28.7	30.2
≥ 20000	3.4	8.3	9.9	12.9	17.7	21.0	23.0	28.1	30.3	32.1	32.9	33.6	34.8	35.8	36.0	37.6
IV 18000	3.4	5.2	9.9	12.9	17.7	21.0	23.0	28.1	30.3	32.1	32.9	33.6	34.8	35.8	36.0	37.6
IV 6000	3.5	8.3	9.9	13.0	17.7	21.1	23.1	28.1	30.4	32.2	32.9	33.7	34.8	35.9	36.1	37.6
IV 4000	3.5	8.3	9.9	13.0	17.7	21.2	23.1	28.2	30.4	32.3	33.1	33.8	35.0	36.0	36.2	37.6
IV 2000	3.6	8.4	10.2	13.3	18.0	21.4	23.4	28.6	30.8	32.6	33.5	34.2	35.4	36.4	36.6	38.3
IV 10000	3.9	9.5	11.5	15.4	20.1	23.5	25.6	31.0	33.4	35.3	36.3	37.0	38.3	39.3	39.5	41.2
IV 9000	4.1	10.5	12.7	16.9	21.9	26.6	27.7	35.2	35.7	37.8	38.9	39.6	40.9	41.9	42.2	43.8
IV 8000	4.4	11.3	13.7	17.9	23.1	27.1	29.4	34.9	37.4	39.7	40.9	41.7	43.0	44.0	44.2	45.9
IV 7000	4.5	11.5	13.9	18.3	23.5	27.5	29.3	35.9	37.8	40.1	41.3	42.1	43.4	44.4	44.6	46.3
IV 6000	5.0	12.4	15.1	19.5	25.0	29.1	31.4	37.0	39.5	41.8	43.1	43.8	45.1	46.1	46.3	48.0
IV 5000	5.3	13.6	16.6	21.2	27.1	31.2	33.7	39.3	41.8	44.5	45.7	46.5	47.8	48.8	49.0	50.7
IV 4500	5.3	13.7	16.8	21.4	27.5	31.7	34.0	39.6	42.3	44.8	46.1	46.8	48.1	49.1	49.3	51.0
IV 4000	5.8	16.2	19.5	24.6	31.1	35.3	37.8	43.8	46.3	49.5	50.9	51.7	53.0	54.0	54.2	55.9
IV 3500	7.2	16.7	20.3	25.3	31.8	36.1	38.7	44.9	47.9	50.7	52.2	52.9	54.2	55.2	55.4	57.1
IV 3000	8.2	18.3	22.1	28.3	35.3	40.1	42.8	49.5	52.6	55.8	57.3	58.1	59.5	60.5	60.7	62.4
IV 2500	8.7	19.0	22.8	29.3	36.9	42.4	45.1	52.2	55.3	58.7	60.3	61.1	62.4	63.5	63.7	65.4
IV 2000	8.9	19.8	23.9	31.0	39.3	45.1	47.9	55.3	58.5	61.8	63.5	64.3	65.6	66.6	66.8	68.6
IV 1800	9.3	20.2	24.4	31.5	39.8	45.5	48.4	55.6	59.1	62.5	64.1	65.0	66.3	67.3	67.5	69.3
IV 1500	9.6	21.2	25.5	32.9	41.9	48.3	51.4	59.0	62.7	66.1	67.8	68.6	70.0	71.0	71.2	72.9
IV 1200	9.7	21.5	26.0	33.8	43.0	49.7	53.0	61.0	64.8	68.5	70.2	71.0	72.3	73.3	73.5	75.3
IV 1000	9.8	22.2	26.9	35.7	45.1	52.1	55.7	64.2	68.2	72.0	73.7	74.4	76.0	77.0	77.2	79.0
IV 900	9.8	22.2	26.9	35.5	45.2	52.4	56.0	64.7	68.5	72.5	74.2	75.1	76.8	77.5	77.7	79.4
IV 800	9.8	22.2	27.1	36.3	46.8	54.2	57.9	66.9	70.7	74.7	76.4	77.3	78.7	79.7	79.9	81.7
IV 700	9.8	22.4	27.3	36.6	47.6	55.1	58.9	67.9	71.9	76.0	77.7	78.7	80.0	81.1	81.3	83.0
IV 600	9.8	22.4	27.3	36.6	47.6	55.1	58.9	67.9	71.9	76.0	77.7	78.7	80.0	81.1	81.3	83.0
IV 500	9.8	22.4	27.3	37.0	48.2	56.8	60.6	70.2	74.4	78.9	81.0	81.9	83.4	84.4	84.6	86.3
IV 400	9.8	22.4	27.3	37.1	48.3	56.8	60.9	70.8	75.2	80.0	82.3	83.6	85.0	86.1	86.3	88.0
IV 300	9.8	22.4	27.3	37.1	48.4	56.8	61.2	71.4	76.2	82.0	84.8	85.7	87.1	88.2	88.4	90.2
IV 200	9.8	22.4	27.3	37.1	48.4	56.8	61.2	71.4	76.2	82.3	84.8	86.2	87.7	88.8	89.0	90.7
IV 100	9.8	22.4	27.3	37.1	48.4	56.8	61.2	71.4	76.2	82.3	84.8	86.2	87.7	88.8	89.0	90.8
IV 0	9.8	22.4	27.3	37.1	48.4	56.8	61.2	71.4	76.2	82.3	84.8	86.2	87.7	88.8	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1478

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 WÜRZBURG GERMANY/FURTH

55-76

107

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	6.4	15.0	18.0	22.1	25.1	26.5	27.5	29.6	30.2	30.9	31.6	31.8	31.9	32.1	32.1	32.2
≥ 20000	8.4	19.2	23.3	28.4	32.1	33.9	34.8	37.2	37.9	38.6	39.3	39.5	39.7	39.9	39.9	39.9
IV 18000	8.4	19.2	23.3	28.4	32.1	33.9	34.8	37.2	38.0	38.6	39.4	39.6	39.7	39.9	39.9	40.0
IV 16000	8.4	19.2	23.3	28.4	32.1	33.9	34.8	37.2	38.0	38.6	39.4	39.6	39.7	39.9	39.9	40.0
IV 14000	8.4	19.2	23.3	28.4	32.1	33.9	34.8	37.2	38.0	38.6	39.4	39.6	39.7	39.9	39.9	40.0
IV 12000	8.6	21.5	26.2	31.8	35.7	37.6	38.5	41.1	41.8	42.5	43.3	43.5	43.8	43.8	43.9	43.9
IV 10000	9.2	21.5	26.2	31.8	35.7	37.6	38.5	41.1	41.8	42.5	43.3	43.5	43.8	43.8	43.9	43.9
IV 9000	9.4	22.0	26.8	32.4	36.8	38.6	39.5	42.3	43.3	44.1	44.9	45.1	45.2	45.4	45.5	45.6
IV 8000	9.5	22.6	27.5	33.6	38.0	40.3	41.4	44.5	45.6	46.6	47.2	47.6	47.9	48.1	48.3	48.4
IV 7000	9.7	22.9	28.0	34.1	38.5	40.8	41.9	45.0	46.1	46.9	47.7	47.9	48.1	48.3	48.3	48.4
IV 6000	10.2	23.5	28.7	35.1	39.6	41.9	43.0	46.2	47.3	48.1	48.9	49.2	49.4	49.6	49.6	49.7
IV 5000	11.1	25.5	31.3	38.1	42.6	45.2	46.4	49.6	50.8	51.7	52.5	52.8	52.9	53.2	53.2	53.3
IV 4500	11.3	26.0	31.7	38.4	43.0	45.6	46.8	50.0	51.2	52.1	52.9	53.2	53.4	53.6	53.6	53.7
IV 4000	12.3	27.9	33.8	40.9	45.6	48.4	49.7	53.0	54.2	55.1	55.9	56.2	56.3	56.5	56.6	56.7
IV 3500	12.5	28.4	34.3	41.4	46.2	49.1	50.4	53.8	55.1	55.9	56.7	57.1	57.2	57.4	57.5	57.6
IV 3000	14.4	31.6	38.0	45.3	50.8	53.8	55.2	58.8	60.1	61.0	61.9	62.2	62.4	62.6	62.7	62.8
IV 2500	15.4	33.3	39.9	47.9	54.0	57.2	58.6	62.6	63.9	64.8	65.7	66.0	66.2	66.4	66.5	66.6
IV 2000	17.5	37.2	44.1	53.2	59.8	63.1	64.6	68.7	70.2	71.1	72.0	72.3	72.5	72.7	72.8	72.9
IV 1800	17.6	37.4	44.3	53.6	60.1	63.5	64.9	69.1	70.5	71.5	72.3	72.7	72.9	73.1	73.2	73.2
IV 1500	18.3	40.1	47.6	57.3	64.4	67.9	69.4	73.6	75.0	76.1	77.0	77.4	77.6	77.8	77.8	77.9
IV 1200	19.1	41.2	48.9	59.1	66.6	70.2	71.7	75.9	77.4	78.4	79.4	79.7	79.9	80.2	80.2	80.3
IV 1000	19.3	41.7	50.0	60.8	69.0	72.7	74.4	78.6	80.1	81.4	82.4	82.8	83.0	83.3	83.3	83.4
IV 900	19.3	41.5	50.0	61.0	69.4	73.1	74.8	79.1	80.5	81.8	82.8	83.2	83.5	83.7	83.8	83.9
IV 800	19.4	42.2	50.5	62.0	70.8	75.0	76.8	81.4	82.9	84.4	85.7	86.0	86.3	86.6	86.6	86.7
IV 700	19.5	42.4	50.8	62.5	72.0	76.3	78.3	83.3	84.7	86.4	87.7	88.0	88.3	88.5	88.6	88.7
IV 600	19.5	42.6	51.2	63.1	73.2	78.0	80.1	85.3	87.0	88.7	90.1	90.4	90.7	91.0	91.1	91.1
IV 500	19.5	42.6	51.3	63.2	73.9	78.9	81.3	86.7	88.7	90.9	92.2	92.7	92.9	93.4	93.5	93.6
IV 400	19.5	42.6	51.3	63.3	74.2	79.3	81.9	87.9	90.1	92.4	94.2	94.8	95.1	95.5	95.6	95.7
IV 300	19.5	42.6	51.3	63.3	74.2	79.3	82.0	88.0	90.4	92.8	94.9	95.8	96.3	96.9	96.9	97.0
IV 200	19.5	42.6	51.3	63.3	74.2	79.3	82.0	88.1	90.5	93.0	95.2	96.1	96.7	97.4	97.6	97.7
IV 100	19.5	42.6	51.3	63.3	74.2	79.3	82.0	88.1	90.5	93.0	95.2	96.1	96.7	97.4	97.6	97.7
IV 0	19.5	42.6	51.3	63.3	74.2	79.3	82.0	88.1	90.5	93.0	95.2	96.1	96.7	97.4	97.6	97.7

TOTAL NUMBER OF OBSERVATIONS 1475

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

36177 WURNBERG GERMANY/FL4TH

55-70

21

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥0
NO CEILING ≥ 20000	14.9	25.8	29.1	31.4	32.7	33.9	34.1	34.7	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1
IV 18000	21.0	34.5	38.7	41.9	43.7	44.9	45.2	45.8	45.8	46.0	46.2	46.2	46.2	46.2	46.2	46.2
IV 16000	21.0	34.5	38.7	41.9	43.7	44.9	45.2	45.8	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2
IV 14000	21.0	34.5	38.7	42.0	43.7	45.0	45.2	45.9	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3
IV 12000	21.4	35.7	39.7	42.9	44.7	46.0	46.2	46.9	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3
IV 10000	23.4	38.5	43.1	46.5	48.3	49.7	50.0	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	24.1	40.1	44.5	48.0	50.2	51.6	51.9	52.2	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	24.5	40.5	45.4	49.0	51.3	52.7	53.0	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3
IV 7000	24.9	41.2	45.9	49.5	52.0	53.3	53.7	54.6	54.6	54.6	55.0	55.0	55.0	55.0	55.0	55.0
IV 6000	25.4	42.7	47.3	51.3	53.7	55.1	55.4	56.4	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8
IV 5000	26.0	46.4	51.1	55.4	57.7	59.2	59.6	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0
IV 4500	28.9	46.7	51.8	55.8	58.2	59.7	60.1	61.1	61.1	61.3	61.5	61.5	61.5	61.5	61.5	61.5
IV 4000	32.3	51.2	56.7	61.3	63.7	65.2	65.7	66.7	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	32.6	51.7	57.1	61.9	64.4	65.9	66.3	67.3	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8
IV 3000	35.4	55.9	61.9	67.3	70.3	72.2	72.7	73.7	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	38.2	60.2	66.5	72.3	75.4	77.3	77.9	79.0	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6
IV 2000	39.5	62.7	69.8	76.0	79.1	81.1	81.8	83.0	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	39.6	63.0	70.2	76.7	79.8	81.8	82.5	83.7	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	40.8	65.0	72.3	79.5	83.2	85.2	85.9	87.4	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0
IV 1200	43.4	69.1	76.5	81.5	85.1	87.3	88.1	89.5	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	41.8	67.0	75.3	83.5	87.4	89.8	90.7	92.2	92.4	92.8	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	41.0	67.0	75.3	83.4	87.7	89.9	90.9	92.4	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	41.7	67.0	76.2	84.4	89.0	91.5	92.3	94.2	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1
IV 500	41.8	67.7	76.3	85.1	90.0	92.7	93.7	95.4	95.7	96.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	41.8	68.1	76.8	85.5	90.7	93.7	94.7	96.6	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	41.8	68.1	76.9	85.7	91.4	94.1	95.3	97.3	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	41.8	68.1	76.9	85.7	91.5	94.7	95.9	98.2	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	41.8	68.1	76.9	85.7	91.5	94.7	95.9	98.2	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	41.8	68.1	76.9	85.7	91.5	94.7	95.9	98.2	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1479

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 YUNBERG GERMANY/F.R.G.

55-70

101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥0
NO CEILING	15.1	26.2	28.9	31.9	34.6	35.9	36.2	37.1	37.4	37.4	37.5	37.5	37.5	37.5	37.5
IV 20000	19.5	34.5	35.6	42.5	46.5	48.2	48.6	49.9	50.2	50.2	50.4	50.4	50.4	50.4	50.4
IV 18000	19.5	34.5	38.4	42.5	46.5	48.2	48.6	50.0	50.4	50.4	50.5	50.5	50.5	50.5	50.5
IV 16000	19.5	34.5	38.4	42.5	46.5	48.2	48.6	50.0	50.4	50.4	50.5	50.5	50.5	50.5	50.5
IV 14000	19.5	34.6	38.6	42.6	46.6	48.4	48.8	50.2	50.6	50.6	50.7	50.7	50.7	50.7	50.7
IV 12000	19.7	35.0	39.1	43.3	47.4	49.2	49.6	51.0	51.3	51.4	51.5	51.5	51.5	51.5	51.5
IV 10000	20.7	37.8	42.2	46.8	51.1	52.9	53.4	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3
IV 9000	21.4	39.3	43.9	48.7	53.0	54.9	55.3	56.9	57.2	57.3	57.4	57.4	57.4	57.4	57.4
IV 8000	22.0	40.4	45.3	50.2	54.6	56.3	57.0	58.6	59.0	59.1	59.2	59.2	59.2	59.2	59.2
IV 7000	22.1	40.7	45.6	50.6	55.2	57.1	57.6	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	22.7	41.6	46.6	51.9	56.7	58.8	59.3	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000	24.8	45.2	50.4	55.7	60.6	62.7	63.3	65.1	65.4	65.5	65.6	65.6	65.6	65.6	65.6
IV 4500	25.4	46.2	51.5	56.9	61.8	63.9	64.4	66.2	66.6	66.6	66.7	66.7	66.7	66.7	66.7
IV 4000	28.7	51.1	57.4	63.6	68.6	70.8	71.3	73.3	73.6	73.7	73.8	73.8	73.8	73.8	73.8
IV 3500	28.9	51.6	58.2	64.7	69.7	71.9	72.4	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000	30.9	55.6	62.6	69.3	74.9	77.3	78.0	80.0	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 2500	32.0	57.8	65.1	72.7	78.4	81.2	81.7	83.7	84.1	84.1	84.2	84.2	84.2	84.2	84.2
IV 2000	32.3	59.2	67.1	75.2	82.0	85.2	86.0	87.9	88.2	88.4	88.5	88.5	88.5	88.5	88.5
IV 1800	32.7	59.5	67.5	76.7	82.8	86.1	86.9	88.9	89.4	89.6	89.7	89.7	89.7	89.7	89.7
IV 1500	33.0	60.3	68.8	78.2	85.3	88.6	89.3	91.7	92.1	92.2	92.3	92.3	92.3	92.3	92.3
IV 1200	33.1	61.0	69.8	79.9	87.2	90.6	91.6	94.0	94.4	94.5	94.6	94.6	94.6	94.6	94.6
IV 1000	33.1	61.3	70.4	80.9	88.5	92.2	93.3	95.7	96.1	96.3	96.4	96.4	96.4	96.4	96.4
IV 900	33.1	61.3	70.5	81.0	88.6	92.4	93.6	96.0	96.4	96.5	96.6	96.6	96.6	96.6	96.6
IV 800	33.1	61.4	70.7	81.4	89.3	93.2	94.6	97.0	97.3	97.5	97.6	97.6	97.6	97.6	97.6
IV 700	33.1	61.5	70.8	81.6	89.6	93.6	94.9	97.4	97.9	98.1	98.2	98.2	98.2	98.2	98.2
IV 600	33.1	61.5	70.8	81.6	89.7	93.6	95.0	97.6	98.1	98.3	98.4	98.4	98.4	98.4	98.4
IV 500	33.1	61.6	70.9	81.8	90.0	94.0	95.4	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1
IV 400	33.1	61.6	70.9	81.8	90.0	94.2	95.7	98.6	99.2	99.5	99.6	99.6	99.6	99.6	99.6
IV 300	33.1	61.6	70.9	81.8	90.0	94.4	95.9	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7
IV 200	33.1	61.6	70.9	81.8	90.0	94.4	95.9	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7
IV 100	33.1	61.6	70.9	81.8	90.0	94.4	95.9	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7
IV 0	33.1	61.6	70.9	81.8	90.0	94.4	95.9	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1471

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/WAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	5.2	19.0	23.9	30.1	32.6	33.8	36.2	39.6	40.7	41.7	41.8	41.9	42.2	42.3	42.4	42.4
IV 8000	5.7	21.1	27.2	34.5	37.6	41.3	41.7	45.9	47.1	48.1	48.2	48.3	48.6	48.8	48.9	49.0
IV 6000	5.7	21.1	27.2	34.5	37.6	41.3	41.7	46.0	47.1	48.2	48.2	48.4	48.7	48.8	49.0	49.0
IV 4000	5.9	21.3	27.4	34.8	37.9	41.6	42.0	46.3	47.4	48.5	48.6	48.7	49.0	49.2	49.3	49.4
IV 2000	6.1	21.7	27.9	35.2	36.5	42.3	42.7	47.0	48.2	49.2	49.3	49.4	49.8	49.9	50.0	50.1
IV 1000	6.2	24.2	30.9	38.7	42.4	46.4	46.8	51.6	52.8	53.9	53.9	54.1	54.5	54.6	54.7	54.8
IV 800	6.5	25.3	32.3	40.2	44.1	48.2	48.6	53.6	54.8	55.9	56.0	56.2	56.5	56.6	56.8	56.8
IV 600	7.3	26.5	33.8	42.9	45.8	50.0	50.4	55.5	56.7	57.8	57.8	58.0	58.4	58.5	58.6	58.7
IV 400	7.5	27.0	34.0	42.4	46.3	50.4	50.8	56.0	57.2	58.2	58.3	58.5	58.8	59.0	59.1	59.2
IV 300	8.3	28.6	35.9	44.4	48.7	53.0	53.5	58.6	60.1	61.1	61.3	61.5	61.8	61.9	62.1	62.1
IV 200	9.7	31.6	39.3	48.2	52.9	57.4	57.8	63.0	64.4	65.5	65.6	65.8	66.2	66.3	66.4	66.5
IV 100	9.8	32.1	39.9	48.9	53.6	58.1	58.6	63.8	65.2	66.2	66.4	66.6	66.9	67.0	67.2	67.2
IV 0	11.0	34.6	43.3	53.1	57.8	62.4	62.9	68.6	70.1	71.1	71.3	71.5	71.9	72.0	72.2	72.2
IV 3500	11.6	35.8	44.7	54.7	59.7	64.2	64.7	70.5	72.0	73.0	73.2	73.4	73.8	73.9	74.0	74.1
IV 3000	12.8	39.3	48.6	59.8	65.6	70.4	71.1	77.1	78.6	79.7	79.8	80.0	80.4	80.6	80.7	80.8
IV 2500	13.2	40.6	50.2	62.0	68.1	73.2	74.0	80.3	81.8	82.9	83.1	83.3	83.7	83.9	84.0	84.1
IV 2000	13.4	41.5	51.6	64.6	71.1	75.4	77.2	83.7	85.1	86.3	86.4	86.6	87.1	87.2	87.4	87.4
IV 1800	13.4	41.8	52.2	65.5	72.4	77.7	78.5	85.0	86.5	87.6	87.8	88.0	88.4	88.6	88.7	88.8
IV 1500	13.7	42.6	53.5	67.1	74.6	80.2	82.1	87.8	89.3	90.5	90.6	90.8	91.3	91.4	91.5	91.6
IV 1200	13.7	42.9	53.9	67.9	75.0	81.6	82.5	89.4	90.9	92.1	92.2	92.4	92.9	93.0	93.1	93.2
IV 1000	13.8	43.2	54.7	68.9	77.1	83.9	84.7	91.9	93.4	94.6	94.8	95.0	95.4	95.6	95.7	95.8
IV 900	13.8	43.3	55.3	69.5	77.0	83.9	85.2	92.5	94.0	95.2	95.4	95.6	96.0	96.2	96.3	96.4
IV 800	13.9	43.4	55.4	69.7	78.0	84.5	85.7	93.1	94.6	95.7	95.9	96.1	96.6	96.7	96.8	96.9
IV 700	13.9	43.6	55.5	69.9	78.2	84.7	86.0	93.4	95.0	96.3	96.5	96.7	97.2	97.3	97.4	97.5
IV 600	13.9	43.6	55.5	70.0	78.4	85.0	86.3	93.7	95.2	96.6	96.8	97.0	97.5	97.6	97.8	97.8
IV 500	13.9	43.6	55.5	70.1	78.5	85.3	86.7	94.1	95.7	97.1	97.3	97.5	98.0	98.1	98.3	98.3
IV 400	13.9	43.6	55.5	70.1	78.5	85.3	86.8	94.4	96.0	97.4	97.6	97.8	98.3	98.4	98.5	98.6
IV 300	13.9	43.6	55.5	70.1	78.7	85.4	86.9	94.5	96.2	97.6	97.8	98.0	98.5	98.7	98.8	98.9
IV 200	13.9	43.6	55.5	70.1	78.7	85.4	86.9	94.5	96.2	97.6	97.8	98.0	98.5	98.9	99.0	99.2
IV 100	13.9	43.6	55.5	70.1	78.7	85.4	86.9	94.5	96.2	97.6	97.8	98.1	98.5	99.0	99.2	99.4
IV 0	13.9	43.6	55.5	70.1	78.7	85.4	86.9	94.5	96.2	97.6	97.8	98.5	99.1	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1487

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMANY/FURTH

35-70

21

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	2.8	15.8	21.8	26.9	31.0	33.8	36.5	38.5	40.9	42.5	42.9	43.2	43.6	44.4	44.8	45.5
IV 20000	3.2	17.6	24.1	29.6	33.7	37.0	37.6	38.5	44.5	46.1	46.6	47.0	47.3	48.1	48.6	49.3
IV 18000	3.2	17.6	24.1	29.6	33.7	37.0	37.6	38.5	44.5	46.1	46.6	47.0	47.3	48.1	48.6	49.3
IV 16000	3.2	17.6	24.1	29.6	33.7	37.0	37.6	38.5	44.5	46.1	46.6	47.0	47.3	48.1	48.6	49.3
IV 14000	3.4	17.8	24.3	29.8	33.9	37.2	37.8	38.7	44.7	46.3	46.8	47.2	47.5	48.3	48.8	49.5
IV 12000	3.5	18.2	24.9	30.4	34.5	37.8	38.5	39.3	45.4	47.0	47.5	47.9	48.2	49.0	49.5	50.2
IV 10000	4.4	20.9	27.8	33.3	37.6	41.1	41.7	42.5	48.6	50.2	50.6	51.1	51.5	52.1	52.6	53.9
IV 9000	4.8	21.7	29.0	34.8	39.4	42.7	43.5	44.3	50.4	52.0	52.4	53.1	53.4	54.0	54.5	55.8
IV 8000	5.6	23.2	30.8	36.8	41.5	45.7	46.7	47.5	53.6	55.2	55.6	56.3	56.6	57.1	57.7	58.3
IV 7000	6.1	23.9	31.6	38.0	42.8	46.4	47.2	48.0	54.1	55.7	56.1	56.8	57.1	57.7	58.3	59.6
IV 6000	7.0	25.8	33.7	40.5	45.3	48.9	49.7	50.5	56.6	58.2	58.6	59.3	59.6	60.2	60.8	63.0
IV 5000	8.2	28.5	36.8	43.9	48.7	52.3	53.1	53.9	59.9	61.5	61.9	62.6	62.9	63.5	64.1	67.2
IV 4500	8.3	28.9	37.2	44.3	49.2	52.8	53.6	54.4	60.4	62.0	62.4	63.1	63.4	64.0	64.6	67.7
IV 4000	9.5	31.7	40.8	48.9	54.0	57.9	58.7	59.5	65.5	67.1	67.5	68.2	68.5	69.1	69.7	72.8
IV 3500	9.8	32.5	41.4	49.8	55.1	58.9	59.7	60.5	66.5	68.1	68.5	69.2	69.5	70.1	70.7	73.8
IV 3000	10.5	34.7	44.0	52.9	58.7	63.0	63.8	64.6	70.6	72.2	72.6	73.3	73.6	74.2	74.8	77.9
IV 2500	11.0	36.4	46.0	55.3	61.4	66.0	66.8	67.6	73.6	75.2	75.6	76.3	76.6	77.2	77.8	80.9
IV 2000	11.4	37.8	48.0	58.1	64.6	69.2	70.0	70.8	76.8	78.4	78.8	79.5	79.8	80.4	81.0	84.1
IV 1800	11.4	38.0	48.3	58.7	65.2	70.0	70.8	71.6	77.6	79.2	79.6	80.3	80.6	81.2	81.8	84.9
IV 1500	11.6	39.0	49.8	60.7	68.3	73.2	74.0	74.8	80.8	82.4	82.8	83.5	83.8	84.4	85.0	88.1
IV 1200	11.6	39.1	50.1	61.1	69.2	74.4	75.2	76.0	82.0	83.6	84.0	84.7	85.0	85.6	86.2	89.3
IV 1000	11.9	39.6	50.7	61.8	70.2	75.9	76.7	77.5	83.5	85.1	85.5	86.2	86.5	87.1	87.7	90.8
IV 900	11.9	39.4	50.7	61.9	70.3	75.9	76.7	77.5	83.5	85.1	85.5	86.2	86.5	87.1	87.7	90.8
IV 800	11.9	39.4	51.0	62.5	71.0	76.7	77.5	78.3	84.3	85.9	86.3	87.0	87.3	87.9	88.5	91.6
IV 700	11.9	39.4	51.0	62.6	71.3	77.1	77.9	78.7	84.7	86.3	86.7	87.4	87.7	88.3	88.9	92.0
IV 600	11.9	39.4	51.0	62.6	71.6	77.4	78.2	79.0	85.0	86.6	87.0	87.7	88.0	88.6	89.2	92.3
IV 500	11.9	39.4	51.0	62.6	71.5	77.5	78.3	79.1	85.1	86.7	87.1	87.8	88.1	88.7	89.3	92.4
IV 400	11.9	39.4	51.0	62.6	71.5	77.5	78.3	79.1	85.1	86.7	87.1	87.8	88.1	88.7	89.3	92.4
IV 300	11.9	39.4	51.0	62.6	71.5	77.5	78.3	79.1	85.1	86.7	87.1	87.8	88.1	88.7	89.3	92.4
IV 200	11.9	39.4	51.0	62.6	71.5	77.5	78.3	79.1	85.1	86.7	87.1	87.8	88.1	88.7	89.3	92.4
IV 100	11.9	39.4	51.0	62.6	71.5	77.5	78.3	79.1	85.1	86.7	87.1	87.8	88.1	88.7	89.3	92.4
IV 0	11.9	39.4	51.0	62.6	71.5	77.5	78.3	79.1	85.1	86.7	87.1	87.8	88.1	88.7	89.3	92.4

TOTAL NUMBER OF OBSERVATIONS 1.22

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NUPNBERG GERMANY/EURTIN

55-70

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 0	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14
NO CEILING	3.4	10.2	13.1	16.2	17.3	19.7	19.7	22.7	23.8	24.1	24.2	24.3	24.4	24.6	24.9	25.0
≥ 2000	3.7	12.0	15.1	18.3	20.0	22.4	22.5	25.5	26.4	26.8	27.0	27.1	27.3	27.6	27.7	27.9
≥ 1800	3.7	12.0	15.1	18.3	20.0	22.4	22.5	25.5	26.4	26.8	27.0	27.1	27.3	27.6	27.7	27.9
≥ 1600	3.7	12.0	15.1	18.3	20.0	22.4	22.5	25.5	26.4	26.8	27.0	27.1	27.3	27.6	27.7	27.9
≥ 1400	3.8	12.0	15.2	18.4	20.2	22.6	22.7	25.7	26.6	27.1	27.2	27.3	27.5	27.8	28.0	28.0
≥ 1200	4.0	12.7	16.3	19.5	21.3	23.6	23.8	26.7	27.6	28.1	28.2	28.4	28.5	28.8	29.0	29.0
≥ 1000	4.2	14.3	18.4	21.9	23.7	26.4	26.6	29.9	30.8	31.3	31.4	31.6	31.7	32.1	32.3	32.3
≥ 900	4.8	16.1	20.3	24.2	26.3	29.4	29.7	33.1	34.1	34.3	34.7	34.8	35.0	35.3	35.5	35.5
≥ 800	5.4	17.0	21.4	25.2	27.4	30.9	31.2	34.6	35.6	36.1	36.2	36.4	36.5	36.9	37.0	37.1
≥ 700	5.5	17.3	21.9	25.7	27.9	31.4	31.6	35.1	36.1	36.6	36.7	36.9	37.0	37.3	37.5	37.6
≥ 600	6.5	18.9	23.6	27.5	29.8	33.6	33.9	37.4	38.4	38.5	39.0	39.2	39.3	39.6	39.8	39.8
≥ 500	7.7	21.8	25.9	30.9	32.6	37.8	38.0	41.3	42.8	43.2	43.4	43.5	43.7	44.1	44.2	44.3
≥ 450	8.3	22.3	27.7	31.7	34.2	38.7	38.9	42.4	43.7	44.2	44.4	44.5	44.7	45.1	45.2	45.3
≥ 400	9.4	23.4	31.3	35.7	38.5	43.5	43.8	48.1	49.2	49.5	49.7	49.8	50.0	50.3	50.5	50.6
≥ 350	10.0	26.8	32.8	37.3	40.4	45.5	45.8	50.1	51.0	51.5	51.7	51.8	52.0	52.4	52.5	52.6
≥ 300	11.1	29.7	36.7	42.1	46.2	51.8	52.1	56.7	57.6	58.1	58.3	58.4	58.8	59.1	59.2	59.3
≥ 250	11.5	30.9	38.7	44.5	48.7	55.0	55.3	60.4	61.4	61.9	62.0	62.2	62.4	62.6	62.9	63.1
≥ 200	11.8	32.3	41.1	47.4	52.3	59.1	59.4	64.7	65.7	66.3	66.6	66.8	67.0	67.3	67.5	67.5
≥ 150	12.0	33.2	42.4	49.1	54.0	61.2	61.5	67.1	68.2	68.8	69.1	69.3	69.5	69.8	70.0	70.0
≥ 100	12.3	35.5	45.2	52.7	58.3	66.0	66.3	72.3	73.4	74.1	74.4	74.6	74.8	75.2	75.3	75.4
≥ 50	12.7	36.7	47.2	55.0	61.8	70.0	70.3	76.5	77.7	78.4	78.7	78.9	79.1	79.3	79.7	79.9
≥ 0	12.7	37.3	48.2	57.0	64.0	72.3	72.6	78.9	79.8	81.2	82.3	82.6	82.8	83.0	83.4	83.6
≥ 200	12.7	37.3	48.5	58.0	65.7	74.3	74.6	82.4	83.5	84.4	85.3	85.5	85.7	86.0	86.2	86.2
≥ 150	12.7	37.3	49.5	58.5	66.3	75.5	75.8	83.9	85.0	85.7	86.6	87.2	87.4	87.6	88.1	88.2
≥ 100	12.7	37.7	49.8	59.1	67.2	77.1	77.4	85.9	87.0	88.0	89.0	89.8	90.8	91.0	91.3	91.7
≥ 50	12.7	37.7	49.8	59.2	67.7	77.5	77.8	87.4	88.5	89.5	91.0	91.9	92.1	92.4	92.7	92.9
≥ 0	12.7	37.7	49.8	59.3	67.8	77.7	78.0	88.7	89.8	91.0	92.4	93.7	93.9	94.2	94.7	94.9
≥ 200	12.7	37.7	49.8	59.3	67.8	77.7	78.0	88.7	89.8	91.0	92.4	93.7	93.9	94.2	94.7	94.9
≥ 150	12.7	37.7	49.8	59.3	67.8	77.7	78.0	88.7	89.8	91.0	92.4	93.7	93.9	94.2	94.7	94.9
≥ 100	12.7	37.7	49.8	59.3	67.8	77.7	78.0	88.7	89.8	91.0	92.4	93.7	93.9	94.2	94.7	94.9
≥ 50	12.7	37.7	49.8	59.3	67.8	77.7	78.0	88.7	89.8	91.0	92.4	93.7	93.9	94.2	94.7	94.9
≥ 0	12.7	37.7	49.8	59.3	67.8	77.7	78.0	88.7	89.8	91.0	92.4	93.7	93.9	94.2	94.7	94.9

TOTAL NUMBER OF OBSERVATIONS 1435

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FURTH

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	1/32	1/64
NO CEILING	2.6	8.4	10.6	12.8	14.5	16.6	17.2	18.6	19.5	20.3	20.2	20.4	20.4	20.4	20.7	20.8
≥ 20000	3.2	10.2	12.6	15.0	17.0	19.0	19.7	21.5	22.4	22.9	23.1	23.3	23.3	23.7	23.8	24.4
≥ 18000	3.0	10.2	12.6	15.0	17.0	19.0	19.7	21.5	22.4	22.9	23.1	23.3	23.3	23.7	23.8	24.4
≥ 16000	3.0	10.2	12.6	15.0	17.0	19.0	19.7	21.5	22.4	22.9	23.1	23.3	23.3	23.7	23.8	24.4
≥ 1400	3.2	10.5	12.9	15.3	17.2	19.3	19.9	21.8	22.7	23.2	23.3	23.6	23.6	24.0	24.0	24.7
≥ 1200	3.6	11.3	13.8	16.1	18.1	20.2	20.8	22.7	23.5	24.0	24.2	24.4	24.4	24.8	24.9	25.5
≥ 10000	4.3	13.1	15.6	18.1	20.1	22.4	23.1	25.1	26.1	26.6	26.8	27.0	27.0	27.4	27.4	28.1
≥ 9000	4.4	14.5	17.2	19.9	22.2	25.0	25.7	28.0	29.0	29.5	29.7	30.0	30.0	30.4	30.4	31.1
≥ 8000	5.1	15.8	18.5	21.2	23.6	26.3	27.0	29.8	30.5	31.1	31.2	31.5	31.5	31.9	32.0	32.6
≥ 7000	5.5	16.4	19.2	21.8	24.2	27.1	27.8	30.3	31.3	31.8	32.0	32.2	32.2	32.7	32.7	33.4
≥ 6000	6.2	17.6	21.0	24.0	26.5	29.5	30.2	32.9	33.6	34.1	34.4	34.9	35.0	35.4	35.4	36.1
≥ 5000	6.9	19.7	23.1	26.4	29.2	32.6	33.3	36.0	37.0	37.6	37.7	38.0	38.1	38.5	38.6	39.2
≥ 4500	7.4	20.5	23.9	27.2	30.5	33.6	34.3	37.0	37.9	38.6	38.7	39.0	39.1	39.5	39.5	40.2
≥ 4000	8.5	23.2	27.2	30.6	34.1	37.5	38.4	41.1	42.3	42.9	43.0	43.3	43.4	43.8	43.8	44.5
≥ 3500	9.2	25.1	29.2	32.9	36.6	40.0	40.9	43.8	44.9	45.5	45.7	45.9	46.0	46.4	46.5	47.1
≥ 3000	11.1	28.7	33.8	38.4	42.7	46.5	47.5	50.9	52.1	52.7	52.9	53.2	53.2	53.6	53.7	54.3
≥ 2500	11.9	30.4	36.2	41.1	45.4	49.6	50.7	54.0	55.7	56.4	56.6	56.8	56.9	57.3	57.4	58.0
≥ 2000	12.8	33.1	39.9	45.7	50.2	55.0	56.1	60.3	61.6	62.3	62.5	62.8	63.0	63.4	63.4	64.1
≥ 1800	12.9	33.7	40.6	46.7	51.5	56.3	57.5	61.8	63.2	64.0	64.1	64.5	64.6	65.0	65.1	65.7
≥ 1500	13.6	35.9	43.2	49.9	55.5	60.9	62.2	66.7	68.1	68.9	69.0	69.4	69.5	69.9	70.0	70.6
≥ 1200	13.9	37.1	45.9	53.4	59.3	65.3	66.6	71.0	72.0	73.8	74.0	74.4	74.5	74.9	75.0	75.6
≥ 1000	14.0	38.8	47.6	56.2	62.5	69.2	70.6	76.3	77.8	78.7	78.9	79.2	79.4	79.8	79.8	80.5
≥ 900	14.0	39.0	47.8	56.5	63.4	70.3	71.6	77.4	78.9	79.8	80.1	80.4	80.5	81.0	81.0	81.7
≥ 800	14.0	39.3	48.3	58.0	64.9	71.8	73.2	79.3	80.8	81.8	82.1	82.4	82.6	83.0	83.0	83.7
≥ 700	14.0	39.3	48.6	58.5	65.7	73.0	74.4	81.0	82.9	84.0	84.3	84.6	84.8	85.2	85.3	85.9
≥ 600	14.0	39.4	48.6	58.7	66.3	73.7	75.3	82.3	84.2	85.5	85.8	86.1	86.2	86.7	86.7	87.4
≥ 500	14.0	39.6	48.9	59.3	67.3	75.2	76.3	84.2	86.1	87.0	87.3	87.6	87.8	88.2	88.3	89.0
≥ 400	14.0	39.8	49.1	59.6	67.7	75.7	77.3	85.1	87.3	88.1	88.4	88.7	88.9	89.3	89.4	90.1
≥ 300	14.0	39.8	49.1	59.7	68.0	76.1	77.8	86.9	89.4	90.1	90.4	90.7	90.9	91.3	91.4	92.0
≥ 200	14.0	39.8	49.1	59.7	68.0	76.2	77.8	87.4	90.2	92.8	93.3	94.0	94.4	94.9	94.9	95.6
≥ 100	14.0	39.8	49.1	59.7	68.0	76.2	77.8	87.4	90.3	92.8	93.4	94.2	94.6	95.1	95.2	95.8
≥ 0	14.0	39.8	49.1	59.7	68.0	76.2	77.8	87.4	90.3	92.8	93.4	94.2	94.6	95.1	95.2	95.8

TOTAL NUMBER OF OBSERVATIONS 1439

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FWTH

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-2500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	1.5	3.9	5.0	6.2	8.6	10.4	10.8	12.7	13.3	13.3	13.9	14.1	14.2	14.5	14.5	15.1
≥ 20000	2.2	5.7	7.1	8.8	11.8	13.8	14.5	16.9	17.7	18.3	18.7	19.1	19.3	19.3	19.5	20.0
≥ 18000	2.2	5.7	7.1	8.8	11.8	13.8	14.5	16.9	17.7	18.3	18.7	19.1	19.3	19.3	19.5	20.0
≥ 16000	2.3	5.8	7.2	8.9	11.8	13.9	14.6	17.3	17.7	18.3	18.8	19.1	19.4	19.5	20.1	
≥ 14000	2.3	5.8	7.2	8.9	11.9	14.0	14.7	17.3	17.8	18.6	18.8	18.9	19.1	19.5	19.6	20.2
≥ 12000	2.6	6.2	7.6	9.4	12.3	14.4	15.1	17.5	18.2	19.1	19.3	19.3	19.5	19.9	20.0	20.4
≥ 10000	3.3	7.9	9.7	11.8	15.0	17.2	18.0	21.1	22.0	23.2	23.7	23.8	24.1	24.4	24.5	25.1
≥ 9000	3.8	9.0	11.3	13.6	17.2	19.8	20.7	24.2	25.3	26.3	27.0	27.1	27.3	27.7	27.8	28.4
≥ 8000	4.2	9.9	12.2	14.6	18.2	21.0	21.8	25.6	26.8	28.0	28.4	28.5	28.8	29.1	29.3	29.5
≥ 7000	4.3	10.2	12.5	15.0	18.7	21.5	22.3	26.1	27.4	28.7	29.1	29.2	29.5	29.8	30.0	30.4
≥ 6000	4.7	11.1	13.5	16.5	20.3	23.1	24.1	28.0	29.2	30.5	31.1	31.2	31.4	31.6	31.9	32.3
≥ 5000	5.4	12.7	15.6	18.5	22.9	25.8	26.8	31.2	32.3	34.3	34.5	34.6	34.9	35.3	35.4	36.1
≥ 4500	5.8	13.5	16.5	19.7	23.9	26.8	27.8	32.2	33.3	35.0	35.5	35.6	36.0	36.3	36.4	37.0
≥ 4000	6.6	16.3	19.9	22.6	28.5	32.1	33.2	38.1	39.3	41.1	41.6	41.7	42.1	42.4	42.6	43.1
≥ 3500	7.4	17.5	21.2	25.2	30.2	33.9	35.0	40.1	41.4	43.0	43.5	43.7	44.0	44.4	44.5	45.1
≥ 3000	9.0	21.1	25.3	29.8	35.2	39.2	40.6	46.1	47.6	49.3	49.9	50.1	50.4	50.8	50.9	51.5
≥ 2500	9.5	22.7	27.2	32.2	38.6	43.0	44.4	50.3	51.7	53.5	54.2	54.4	54.7	55.1	55.2	55.8
≥ 2000	10.1	24.8	29.8	35.5	42.6	47.3	48.8	55.1	56.7	58.7	59.4	59.6	59.9	60.3	60.4	61.2
≥ 1800	10.4	25.8	30.8	36.7	43.9	48.6	50.1	56.3	58.1	60.1	60.8	61.0	61.3	61.7	61.8	62.4
≥ 1500	10.9	27.4	33.0	39.9	48.1	53.5	55.1	62.3	64.0	66.1	66.8	67.1	67.5	67.9	68.2	68.6
≥ 1200	11.4	28.7	35.3	42.5	51.6	57.5	59.2	67.2	69.1	71.1	71.9	72.2	72.6	72.9	73.1	73.6
≥ 1000	11.5	29.1	36.2	44.0	53.0	60.3	62.4	70.9	72.9	75.0	75.9	76.2	76.6	77.1	77.3	77.8
≥ 900	11.5	29.2	36.2	44.2	54.6	61.1	63.3	72.0	74.1	76.1	77.1	77.3	77.7	78.2	78.4	78.9
≥ 800	11.5	29.4	36.8	45.4	56.8	63.6	66.0	75.3	77.5	79.8	81.0	81.3	81.7	82.2	82.3	82.9
≥ 700	11.5	29.5	37.1	45.8	57.9	64.9	67.3	76.9	79.3	81.6	82.9	83.2	83.6	84.1	84.2	84.8
≥ 600	11.5	29.5	37.1	45.8	58.4	65.4	68.2	78.2	80.7	83.3	84.6	84.9	85.3	85.8	86.0	86.9
≥ 500	11.5	29.5	37.1	46.0	58.7	66.0	69.1	79.5	82.4	85.1	86.4	86.8	87.2	87.8	87.9	88.5
≥ 400	11.5	29.3	37.2	46.0	59.0	66.6	70.0	80.9	84.1	87.5	89.6	90.1	90.6	91.2	91.3	91.9
≥ 300	11.5	29.3	37.2	46.0	59.0	66.7	70.2	81.6	85.3	89.4	91.6	92.3	92.9	93.5	93.6	94.2
≥ 200	11.5	29.3	37.2	46.0	59.0	66.8	70.2	81.9	85.7	90.1	92.4	93.5	94.3	95.1	95.3	96.1
≥ 100	11.5	29.3	37.2	46.0	59.0	66.8	70.2	81.9	85.7	90.1	92.5	93.7	94.6	95.3	95.8	96.5
≥ 0	11.5	29.3	37.2	46.0	59.0	66.8	70.2	81.9	85.7	90.1	92.5	93.9	95.3	96.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1438

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/FAA

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	5.4	9.5	11.2	13.0	14.7	16.3	16.7	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3
IV 18000	8.7	14.9	17.4	20.4	23.0	25.0	25.7	26.4	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7
IV 16000	8.7	15.0	17.4	20.4	23.0	25.1	25.8	26.5	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8
IV 14000	8.7	15.1	17.6	20.6	23.2	25.2	25.9	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 12000	9.2	16.0	18.9	22.2	24.6	26.5	27.3	28.1	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 10000	10.2	16.0	21.3	24.5	28.0	30.6	31.3	32.2	32.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6
IV 9000	10.9	19.7	23.1	27.4	30.7	33.4	34.1	35.2	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 8000	11.2	20.3	24.3	29.0	32.7	35.5	36.6	38.1	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 7000	11.2	20.6	24.4	29.2	33.0	36.4	37.1	39.7	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 6000	11.9	21.6	25.5	30.3	34.4	37.8	38.6	40.3	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 5000	13.2	23.6	28.0	33.2	37.2	40.8	41.5	42.3	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 4500	13.7	24.1	28.5	33.9	38.0	41.5	42.3	44.1	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 4000	15.4	27.4	32.0	37.9	42.2	46.3	47.2	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	16.2	28.5	33.1	39.1	43.5	47.6	48.6	50.5	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 3000	17.6	32.0	37.5	44.4	49.9	54.4	55.5	57.6	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4
IV 2500	18.4	34.5	40.6	48.9	54.8	59.8	60.9	63.2	63.4	63.9	64.1	64.1	64.1	64.1	64.1	64.1
IV 2000	19.3	37.1	44.3	53.9	60.9	66.4	67.6	70.1	70.4	71.0	71.2	71.2	71.2	71.2	71.2	71.2
IV 1800	19.3	37.4	44.9	55.1	62.4	68.0	69.2	71.7	72.0	72.6	72.8	72.9	72.9	72.9	72.9	72.9
IV 1500	19.8	39.6	47.7	58.5	66.6	72.8	74.3	77.3	77.6	78.3	78.4	78.5	78.5	78.5	78.5	78.5
IV 1200	20.0	40.4	48.8	60.5	69.2	75.9	77.5	81.1	81.4	82.3	82.5	82.6	82.6	82.6	82.6	82.6
IV 1000	20.2	41.3	49.8	62.7	72.4	79.8	82.0	86.3	86.7	87.5	87.7	87.8	87.8	87.8	87.8	87.8
IV 900	20.2	41.5	49.8	62.8	72.7	80.3	82.5	87.4	87.8	88.7	88.9	89.0	89.0	89.0	89.0	89.0
IV 800	20.2	41.7	50.2	63.7	74.3	82.2	84.9	90.2	90.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	20.2	41.9	50.5	64.1	75.1	83.3	86.1	91.7	92.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9
IV 600	20.2	41.9	50.5	64.1	75.3	83.5	86.4	92.3	93.2	94.7	95.0	95.2	95.2	95.2	95.2	95.2
IV 500	20.2	41.9	50.6	64.1	75.5	83.7	86.9	93.4	94.4	96.2	96.7	96.9	97.1	97.1	97.1	97.1
IV 400	20.2	41.9	50.6	64.1	75.5	83.7	86.9	93.6	94.0	96.6	97.3	97.6	97.8	97.8	97.8	97.8
IV 300	20.2	41.9	50.6	64.1	75.5	83.7	86.9	93.8	95.0	97.7	98.6	98.9	99.2	99.4	99.4	99.4
IV 200	20.2	41.9	50.6	64.1	75.5	83.7	86.9	93.8	95.0	97.7	98.6	98.9	99.2	99.4	99.4	99.4
IV 100	20.2	41.9	50.6	64.1	75.5	83.7	86.9	93.8	95.0	97.7	98.6	98.9	99.2	99.4	99.4	99.4
IV 0	20.2	41.9	50.6	64.1	75.5	83.7	86.9	93.8	95.0	97.7	98.6	98.9	99.2	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1433

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

24177 NURNBERG GERMANY

25-7-

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	3.9	12.3	13.1	15.4	17.5	19.3	19.6	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.2
≥20000	4.6	12.9	13.7	15.3	17.1	18.6	19.1	20.5	20.7	21.3	21.3	21.3	21.3	21.3	21.3
≥18000	6.6	12.5	13.9	15.9	17.1	18.6	19.1	20.5	20.7	21.3	21.3	21.3	21.3	21.3	21.3
≥16000	4.7	13.0	15.9	17.1	18.6	19.1	20.5	20.7	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥14000	4.8	13.1	15.9	17.1	18.6	19.1	20.5	20.7	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥12000	5.4	14.0	17.2	20.4	22.7	25.1	25.6	28.1	28.6	29.9	29.9	29.9	29.9	29.9	29.9
≥10000	6.1	15.6	19.5	23.2	26.5	29.9	29.6	32.4	32.9	33.2	33.2	33.2	33.2	33.2	33.2
≥8000	6.7	17.0	21.1	24.9	27.7	30.9	31.6	34.7	35.5	35.7	35.7	35.8	35.9	36.1	36.1
≥7000	7.1	17.9	22.1	26.4	29.9	33.4	34.2	37.6	38.3	38.6	38.6	38.7	38.7	38.8	38.8
≥6000	7.4	18.2	22.5	26.8	30.3	33.8	34.6	38.0	38.7	39.0	39.0	39.1	39.2	39.2	39.2
≥5000	8.0	20.0	24.4	29.2	33.0	36.7	37.6	41.0	41.7	42.0	42.0	42.1	42.1	42.2	42.2
≥4500	9.0	22.3	27.1	32.1	36.1	40.3	41.2	44.7	45.5	45.8	45.8	45.9	46.0	46.1	46.1
≥4000	9.7	23.1	28.1	33.2	37.1	41.4	42.9	45.8	46.7	46.9	46.9	47.0	47.1	47.1	47.2
≥3500	11.2	25.9	32.3	37.9	42.2	46.9	48.0	51.7	52.3	52.8	52.8	52.9	52.9	53.1	53.1
≥3000	11.8	27.2	33.5	39.5	44.3	49.0	50.1	53.6	54.7	54.9	54.9	55.0	55.1	55.1	55.2
≥2500	12.7	30.3	37.3	43.8	49.4	54.2	55.8	59.7	60.8	61.1	61.1	61.1	61.2	61.3	61.3
≥2000	13.0	31.6	39.1	45.2	52.2	57.6	59.2	63.6	64.7	65.2	65.2	65.2	65.3	65.4	65.6
≥1800	13.7	34.4	43.0	51.1	57.8	64.0	65.5	70.1	71.2	72.0	72.0	72.3	72.1	72.2	72.4
≥1500	13.8	35.2	44.2	52.9	60.0	66.3	68.0	72.7	73.8	74.5	74.5	74.6	74.7	74.8	75.0
≥1200	14.1	36.3	45.8	55.3	63.5	70.3	71.8	76.7	78.2	79.1	79.1	79.1	79.2	79.3	79.5
≥1000	14.3	37.3	47.3	57.8	66.3	73.5	75.0	80.3	82.0	83.0	83.1	83.2	83.2	83.3	83.5
≥900	14.5	38.2	48.5	59.9	69.3	76.5	78.2	84.2	85.9	87.1	87.2	87.3	87.3	87.4	87.6
≥800	14.5	38.5	49.8	60.2	69.2	76.8	78.4	84.9	86.6	87.8	87.9	88.0	88.0	88.1	88.3
≥700	14.5	38.7	49.0	60.2	69.2	76.8	78.4	84.9	86.6	87.8	87.9	88.0	88.0	88.1	88.3
≥600	14.5	38.7	49.1	61.0	71.1	79.4	81.4	88.8	90.9	92.6	92.7	92.8	92.8	93.0	93.2
≥500	14.5	38.7	49.1	61.0	71.2	79.5	81.5	90.5	92.6	94.6	94.9	95.1	95.1	95.2	95.4
≥400	14.5	38.7	49.1	61.0	71.3	79.5	81.5	90.5	92.6	94.6	94.9	95.1	95.1	95.2	95.4
≥300	14.5	38.7	49.1	61.0	71.3	79.5	81.5	90.5	92.6	94.6	94.9	95.1	95.1	95.2	95.4
≥200	14.5	38.7	49.1	61.0	71.3	79.5	81.5	90.5	92.6	94.6	94.9	95.1	95.1	95.2	95.4
≥100	14.5	38.7	49.1	61.0	71.3	79.5	81.5	90.5	92.6	94.6	94.9	95.1	95.1	95.2	95.4
0	14.5	38.7	49.1	61.0	71.3	79.5	81.5	90.5	92.6	94.6	94.9	95.1	95.1	95.2	95.4

TOTAL NUMBER OF OBSERVATIONS 142

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VLC

CEILING VERSUS VISIBILITY

34177

WPNR 255 1/2 3-5-7

55-71

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	3.5	10.8	13.1	15.5	17.6	19.0	19.4	22.0	22.6	23.2	23.3	23.3	23.7	23.8	23.9	24.0
≥ 20000	3.7	12.4	15.6	18.3	20.8	22.6	23.1	26.1	26.8	27.2	27.4	27.4	27.7	27.9	27.9	28.0
≥ 18000	3.7	12.4	15.6	18.3	20.8	22.6	23.1	26.1	26.8	27.2	27.4	27.4	27.7	27.9	27.9	28.0
IV 16000	3.8	12.4	15.6	18.4	20.9	22.7	23.1	26.1	26.9	27.3	27.4	27.4	27.6	27.9	28.0	28.0
IV 14000	3.8	12.5	15.8	18.6	21.1	22.9	23.3	26.4	27.2	27.6	27.7	27.7	28.1	28.2	28.3	28.4
IV 12000	4.2	13.5	17.0	19.8	22.4	24.1	24.6	27.7	28.4	28.8	29.0	29.0	29.3	29.5	29.5	29.7
IV 10000	5.6	16.2	20.2	23.4	26.5	28.4	28.8	32.1	32.9	33.4	33.5	33.5	33.8	34.0	34.1	34.2
IV 9000	6.3	17.1	21.1	24.6	27.9	30.1	30.6	33.9	34.7	35.3	35.4	35.4	35.8	35.9	36.0	36.1
IV 8000	6.7	17.9	22.0	25.6	29.2	32.0	32.6	35.1	37.0	37.5	37.6	37.6	37.9	38.1	38.2	38.3
IV 7000	7.5	18.3	22.4	26.1	29.6	32.4	33.0	36.5	37.5	37.9	38.0	38.0	38.4	38.5	38.6	38.7
IV 6000	8.1	20.3	24.6	28.6	32.2	35.1	35.9	39.5	40.4	40.9	41.0	41.0	41.3	41.5	41.5	41.7
IV 5000	8.8	22.0	27.0	31.1	35.0	38.2	39.3	42.9	43.8	44.3	44.4	44.4	44.8	44.9	45.0	45.1
IV 4500	9.4	23.1	28.1	32.3	36.3	39.5	40.5	44.1	45.1	45.5	45.7	45.7	46.0	46.1	46.2	46.4
IV 4000	10.5	27.0	32.6	37.0	41.7	45.4	46.5	50.5	51.5	51.9	52.1	52.2	52.5	52.7	52.7	52.8
IV 3500	11.2	28.2	33.9	38.6	43.6	47.4	48.6	52.7	53.8	54.2	54.4	54.5	54.8	55.0	55.0	55.2
IV 3000	12.3	30.6	36.7	42.0	47.6	51.9	53.3	58.1	59.2	59.6	59.8	60.0	60.3	60.5	60.5	60.7
IV 2500	12.9	32.4	39.3	45.2	51.3	55.9	57.3	62.3	63.3	64.1	64.4	64.5	64.8	65.0	65.0	65.2
IV 2000	13.6	34.7	42.2	48.9	55.1	60.1	61.7	66.9	68.2	69.1	69.4	69.5	69.8	70.0	70.0	70.2
IV 1800	13.8	35.9	43.8	51.0	57.3	62.5	64.1	69.3	70.6	71.6	71.8	71.9	72.3	72.4	72.5	72.6
IV 1500	14.1	38.4	46.6	54.4	61.4	67.3	69.1	74.4	75.8	76.9	77.1	77.2	77.6	77.7	77.8	77.9
IV 1200	14.3	39.6	47.9	56.7	63.9	70.6	72.3	75.1	79.7	81.0	81.3	81.4	81.8	81.9	82.0	82.1
IV 1000	14.3	40.2	48.6	58.1	66.2	73.2	75.1	81.6	83.3	84.9	85.2	85.3	85.7	85.8	85.9	86.0
IV 900	14.3	40.3	48.7	58.5	66.6	73.8	75.8	82.4	84.2	85.8	86.1	86.2	86.6	86.7	86.8	86.9
IV 800	14.3	40.4	49.1	59.1	67.3	74.8	76.9	83.9	85.7	87.3	87.6	87.8	88.1	88.2	88.3	88.4
IV 700	14.3	40.5	49.3	59.3	67.8	75.5	77.8	85.7	87.6	89.2	89.6	89.8	90.1	90.3	90.3	90.5
IV 600	14.3	40.6	49.4	59.5	68.1	76.4	78.5	86.6	88.7	90.5	91.0	91.1	91.5	91.6	91.7	91.8
IV 500	14.3	40.6	49.5	59.7	68.4	76.9	79.0	87.5	89.7	91.5	92.3	92.4	92.8	92.9	93.0	93.1
IV 400	14.3	40.6	49.6	59.8	68.7	77.1	79.4	87.8	90.1	92.3	92.8	93.1	93.3	93.5	93.7	93.9
IV 300	14.3	40.6	49.6	59.8	68.7	77.3	79.5	88.0	91.4	94.0	94.9	95.1	95.6	95.7	95.8	95.9
IV 200	14.3	40.6	49.6	59.8	68.7	77.3	79.5	88.0	91.7	94.5	95.7	96.1	96.6	96.8	96.9	97.0
IV 100	14.3	40.6	49.6	59.8	68.7	77.3	79.5	88.0	91.7	94.6	96.2	96.7	97.2	97.4	97.4	97.5
IV 0	14.3	40.6	49.6	59.8	68.7	77.3	79.5	88.0	91.7	94.6	96.3	96.7	97.5	98.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1439

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ALC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/P-17

35-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1	≥1	≥0.5	≥0.5	≥0.5	≥0.5	≥0.5	≥0
NO CEILING	2.2	9.4	11.3	13.3	14.5	16.2	16.5	18.9	19.7	20.3	20.3	20.4	20.7	20.7	20.7	20.7
≥ 20000	2.2	9.4	11.3	13.3	14.5	16.2	16.5	18.9	19.7	20.3	20.3	20.4	20.7	20.7	20.7	20.7
≥ 18000	2.2	9.4	11.3	14.4	15.9	17.9	18.2	20.9	21.7	22.2	22.3	22.4	22.7	22.7	22.7	22.7
≥ 16000	2.2	9.4	11.3	14.4	15.9	17.9	16.2	20.9	21.7	22.2	22.3	22.4	22.7	22.7	22.7	22.7
≥ 14000	2.2	9.4	11.3	14.4	15.9	17.9	18.2	20.9	21.7	22.2	22.3	22.4	22.7	22.7	22.7	22.7
≥ 12000	2.2	10.0	12.0	14.4	15.2	18.1	18.4	21.1	21.9	22.4	22.5	22.6	22.7	22.9	22.9	22.9
≥ 10000	3.1	11.9	14.3	17.3	19.2	21.0	21.3	24.7	25.5	26.1	26.2	26.2	26.6	26.6	26.6	26.6
≥ 9000	3.6	13.7	16.5	19.9	22.2	24.4	24.8	29.2	29.1	29.7	29.8	29.9	30.2	30.2	30.2	30.2
≥ 8000	3.7	13.9	16.9	20.3	22.7	25.0	25.6	29.1	30.2	30.8	30.9	31.0	31.2	31.3	31.3	31.3
≥ 7000	3.7	13.9	17.0	20.5	22.9	25.4	25.9	29.4	30.6	31.1	31.2	31.3	31.6	31.6	31.6	31.6
≥ 6000	3.7	14.6	17.7	21.4	24.0	26.4	26.9	30.4	31.6	32.1	32.2	32.3	32.6	32.6	32.6	32.6
≥ 5000	5.0	17.2	20.5	24.4	27.1	29.6	30.1	33.2	34.8	35.3	35.5	35.5	35.9	35.9	35.9	35.9
≥ 4500	5.2	17.4	20.7	24.8	27.5	30.0	30.6	34.1	35.2	35.7	35.9	35.9	36.3	36.3	36.3	36.3
≥ 4000	6.3	21.1	24.9	29.5	32.7	35.5	36.2	40.0	41.1	41.7	41.8	41.9	42.2	42.2	42.2	42.2
≥ 3500	7.5	22.2	26.2	31.0	34.3	37.1	37.9	41.7	42.6	43.3	43.5	43.5	43.9	43.9	43.9	43.9
≥ 3000	8.5	24.3	29.2	34.5	38.4	41.7	42.7	46.8	46.0	46.6	46.7	46.8	49.1	49.1	49.1	49.1
≥ 2500	9.6	27.3	32.3	38.3	42.6	46.3	47.4	52.1	53.3	53.5	54.0	54.2	54.4	54.4	54.4	54.4
≥ 2000	10.1	29.4	34.9	41.5	46.4	50.7	51.9	57.2	58.7	59.2	59.4	59.5	59.8	59.8	59.8	59.8
≥ 1800	10.4	30.3	36.1	43.3	48.5	52.9	54.1	59.5	61.1	61.6	61.8	61.9	62.2	62.2	62.2	62.2
≥ 1500	10.8	32.6	39.2	48.0	53.6	58.5	59.9	65.9	67.6	68.1	68.3	68.4	68.7	68.7	68.7	68.7
≥ 1200	11.3	34.2	41.5	50.6	57.1	62.6	64.2	70.5	72.4	73.1	73.4	73.5	73.8	73.8	73.8	73.8
≥ 1000	11.6	35.1	43.1	53.0	60.3	66.6	68.4	75.3	77.6	78.5	78.8	78.9	79.2	79.2	79.2	79.2
≥ 900	11.6	35.4	43.7	53.5	61.2	68.0	69.9	76.9	79.5	80.5	80.8	80.9	81.2	81.2	81.2	81.2
≥ 800	11.6	35.7	44.2	54.4	62.4	69.4	71.3	78.2	81.4	82.7	83.1	83.2	83.5	83.5	83.5	83.5
≥ 700	11.6	35.9	44.5	55.1	63.7	71.6	73.8	81.6	84.3	86.1	86.5	86.6	86.9	86.9	86.9	86.9
≥ 600	11.6	35.9	44.8	55.6	64.7	73.2	75.6	84.3	87.3	89.1	89.7	89.9	90.2	90.2	90.2	90.2
≥ 500	11.6	36.0	44.8	55.9	65.1	74.2	76.9	86.1	89.5	91.3	91.9	92.1	92.5	92.5	92.5	92.5
≥ 400	11.6	36.2	45.0	56.1	65.4	74.6	77.6	87.5	91.1	93.1	94.1	94.3	94.8	94.8	94.8	94.8
≥ 300	11.6	36.2	45.0	56.1	65.4	74.7	77.7	87.8	91.2	94.5	95.9	96.1	96.6	96.6	96.6	96.6
≥ 200	11.6	36.2	45.0	56.1	65.4	74.7	77.7	87.8	91.9	94.8	96.5	96.9	97.4	97.4	97.4	97.4
≥ 100	11.6	36.2	45.0	56.1	65.4	74.7	77.7	87.8	91.9	94.8	96.5	96.9	97.4	97.4	97.4	97.4
≥ 0	11.6	36.2	45.0	56.1	65.5	74.8	77.8	87.8	92.0	95.0	96.6	97.0	97.8	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1480

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34177 NURNBERG GERMANY/F.R.G.

55-7

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	2.7	9.1	11.3	13.3	15.1	16.6	17.0	18.3	19.3	19.6	19.6	19.3	19.9	19.9	19.4	20.0
≥ 20000	2.8	9.4	12.2	15.3	16.9	18.5	18.9	21.1	21.8	22.1	22.1	22.2	22.2	22.2	22.2	22.3
≥ 18000	2.8	9.4	12.2	15.3	16.9	18.5	18.9	21.1	21.8	22.1	22.1	22.2	22.2	22.2	22.2	22.3
≥ 16000	2.8	9.4	12.2	15.3	16.9	18.5	18.9	21.1	21.8	22.1	22.1	22.2	22.2	22.2	22.2	22.3
≥ 14000	2.8	9.4	12.2	15.4	16.9	18.5	19.0	21.3	21.7	22.3	22.3	22.2	22.3	22.3	22.3	22.4
≥ 12000	2.8	9.4	12.2	15.4	16.9	18.5	19.0	21.2	22.0	22.2	22.2	22.2	22.4	22.4	22.4	22.5
≥ 10000	3.6	11.1	13.9	17.4	19.0	20.6	21.0	21.8	24.7	24.6	25.3	25.2	25.3	25.3	25.3	25.3
≥ 9000	4.3	13.0	17.9	20.0	21.6	23.5	23.9	24.3	26.0	26.1	26.3	26.5	26.6	26.6	26.6	26.6
≥ 8000	4.4	13.4	16.5	20.6	22.2	24.3	24.7	27.9	28.3	29.3	29.2	29.4	29.4	29.4	29.4	29.5
≥ 7000	4.4	13.4	16.7	20.9	22.6	24.9	25.3	28.6	29.5	29.6	29.8	30.1	30.1	30.1	30.1	30.2
≥ 6000	4.8	14.5	17.7	22.0	23.8	26.1	26.6	29.8	30.8	30.9	31.1	31.3	31.4	31.4	31.4	31.5
≥ 5000	6.0	16.7	20.2	24.6	26.5	28.8	29.4	32.8	32.7	33.9	34.1	34.3	34.3	34.3	34.3	34.4
≥ 4500	6.3	17.4	20.9	25.4	27.3	29.6	30.2	33.6	34.5	34.7	34.9	35.1	35.1	35.1	35.1	35.2
≥ 4000	7.5	20.1	24.4	29.2	31.6	34.4	35.0	38.6	39.6	39.7	39.9	40.1	40.2	40.2	40.2	40.3
≥ 3500	7.9	20.8	25.1	30.0	32.7	35.6	36.2	40.0	40.9	41.1	41.3	41.4	41.5	41.5	41.5	41.6
≥ 3000	9.2	23.4	28.3	33.5	36.4	39.7	40.3	44.3	45.3	45.4	45.6	45.7	45.9	45.9	45.9	46.0
≥ 2500	10.1	25.4	31.1	37.1	40.2	43.7	44.3	48.5	50.0	50.1	50.2	50.3	50.6	50.6	50.6	50.7
≥ 2000	10.8	27.9	34.5	41.3	44.7	48.4	49.2	54.9	56.3	56.4	56.7	56.9	56.9	56.9	56.9	57.1
≥ 1800	11.3	29.5	36.6	43.4	47.1	50.9	51.8	57.7	59.0	59.1	59.4	59.6	59.7	59.7	59.7	59.7
≥ 1500	12.2	32.5	40.3	47.7	51.8	55.9	56.8	63.3	64.6	64.9	65.3	65.5	65.5	65.5	65.5	65.6
≥ 1200	12.4	34.1	42.6	50.7	55.6	61.0	62.3	69.0	70.7	70.9	71.3	71.5	71.6	71.6	71.6	71.6
≥ 1000	12.6	35.6	44.8	54.0	59.7	66.2	67.5	74.9	76.9	77.3	77.8	78.0	78.1	78.1	78.1	78.2
≥ 900	12.6	35.9	45.2	54.5	60.3	67.2	68.5	76.1	78.2	78.5	79.0	79.2	79.3	79.3	79.3	79.4
≥ 800	12.7	36.1	45.8	55.4	61.8	69.4	70.6	78.2	81.4	81.7	82.3	82.5	82.5	82.5	82.5	82.6
≥ 700	12.7	36.3	46.4	56.6	63.3	71.5	72.9	82.1	84.4	84.7	85.3	85.5	85.6	85.6	85.6	85.6
≥ 600	12.7	36.3	46.4	57.7	64.7	73.6	75.2	84.8	87.1	87.6	88.1	88.4	88.4	88.4	88.4	88.5
≥ 500	12.7	36.4	46.7	58.1	65.6	75.4	77.4	87.4	90.2	90.8	91.5	91.8	91.9	91.9	91.9	92.0
≥ 400	12.7	36.4	46.7	58.2	65.8	76.1	78.1	88.5	91.8	92.6	93.5	93.9	94.1	94.1	94.1	94.2
≥ 300	12.7	36.4	46.7	58.3	65.9	76.2	78.2	89.1	92.9	94.3	95.4	95.8	96.0	96.0	96.0	96.1
≥ 200	12.7	36.4	46.7	58.3	65.9	76.2	78.2	89.2	93.1	94.6	95.7	96.2	96.6	96.6	96.6	96.7
≥ 100	12.7	36.4	46.7	58.3	65.9	76.2	78.2	89.2	93.1	94.6	95.7	96.2	96.6	96.6	96.6	96.7
≥ 0	12.7	36.4	46.7	58.3	65.9	76.2	78.2	89.2	93.2	94.8	95.9	96.4	97.1	97.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1433

DATA PROCESSING
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

MURNEBERG GERMAN Y/PJ-7

55-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	1.3	4.3	6.1	9.4	10.6	12.1	13.1	15.4	16.7	17.5	17.6	17.7	17.6	17.5	17.4	17.3
≥20000	1.5	4.3	7.6	10.5	12.9	14.8	16.0	18.9	20.2	21.2	21.3	21.4	21.4	21.4	21.4	21.4
IV 18000	1.6	4.9	7.6	10.5	12.9	14.8	16.0	18.9	20.3	21.2	21.3	21.4	21.4	21.4	21.4	21.4
IV 16000	1.6	4.9	7.6	10.5	12.9	14.8	16.0	18.9	20.3	21.2	21.3	21.4	21.4	21.4	21.4	21.4
IV 14000	1.6	4.9	7.6	10.5	12.9	14.8	16.0	18.9	20.3	21.2	21.3	21.4	21.4	21.4	21.4	21.4
IV 12000	1.6	5.1	7.9	10.8	13.2	15.2	16.4	19.4	20.8	21.8	21.9	22.0	22.1	22.1	22.1	22.1
IV 10000	2.4	6.5	9.6	12.9	15.5	17.9	18.9	22.1	23.5	24.4	24.7	24.8	24.9	24.9	24.9	25.1
IV 9000	2.8	7.5	10.8	14.3	17.5	19.7	21.4	24.7	26.2	27.1	27.4	27.5	27.6	27.6	27.6	27.6
IV 8000	3.0	7.9	11.4	15.0	18.2	20.8	22.5	25.9	27.4	28.3	28.6	28.8	28.8	28.8	28.8	29.1
IV 7000	3.0	8.0	11.5	15.1	18.3	21.0	22.6	26.1	27.6	28.4	28.8	28.9	29.0	29.0	29.0	29.1
IV 6000	3.0	8.5	12.1	15.8	19.2	21.9	23.7	27.2	28.6	29.5	29.9	30.0	30.1	30.1	30.1	30.3
IV 5000	3.7	9.9	13.6	17.6	21.3	24.2	25.9	29.3	31.3	31.9	32.3	32.5	32.5	32.5	32.5	32.8
IV 4500	3.8	10.2	13.7	17.9	21.6	24.5	26.2	29.6	31.5	32.3	32.7	32.8	32.9	32.9	32.9	33.2
IV 4000	4.9	12.3	16.3	21.1	25.3	28.4	30.3	34.2	35.8	36.9	37.3	37.5	37.5	37.5	37.5	37.8
IV 3500	5.3	13.1	17.3	22.3	26.6	30.0	31.9	36.0	37.6	38.7	39.1	39.2	39.3	39.3	39.3	39.6
IV 3000	6.5	15.4	20.0	25.6	30.4	34.2	36.4	41.0	42.7	43.9	44.3	44.4	44.5	44.5	44.5	44.7
IV 2500	7.2	17.0	22.0	28.5	33.6	37.9	40.1	45.3	47.0	48.2	48.7	48.9	48.9	48.9	48.9	49.2
IV 2000	8.6	20.0	25.6	32.8	38.4	43.1	45.6	51.3	53.2	54.5	55.0	55.2	55.3	55.3	55.3	55.6
IV 1800	8.7	20.4	26.2	33.3	39.5	44.1	46.6	52.5	54.6	55.0	55.5	55.7	55.7	55.7	55.7	56.0
IV 1500	9.2	22.5	28.8	36.4	43.1	48.6	51.2	56.2	60.2	61.9	62.3	62.5	62.7	62.7	62.7	63.0
IV 1200	9.5	23.2	30.0	38.5	45.8	52.1	55.1	62.9	65.2	67.2	67.7	67.9	68.0	68.1	68.1	68.3
IV 1000	9.6	24.5	31.6	41.5	49.0	57.1	60.1	68.3	71.2	73.5	74.1	74.3	74.5	74.5	74.5	74.8
IV 900	9.8	24.9	32.2	42.5	51.1	58.5	61.6	70.0	73.0	75.3	76.0	76.2	76.3	76.4	76.4	76.7
IV 800	9.9	25.2	32.7	44.1	53.3	60.8	64.4	73.5	76.8	79.2	79.9	80.1	80.3	80.3	80.3	80.6
IV 700	9.9	25.4	33.2	45.2	54.9	62.9	66.8	77.3	80.3	82.0	83.9	84.2	84.4	84.4	84.4	84.7
IV 600	9.9	25.4	33.2	45.7	55.5	64.2	68.1	79.2	83.1	86.1	87.1	87.4	87.5	87.6	87.6	87.9
IV 500	9.9	25.4	33.3	46.1	56.4	65.9	70.0	81.8	86.5	89.6	91.0	91.4	91.6	91.7	91.7	92.0
IV 400	9.9	25.4	33.3	46.2	56.7	66.5	70.6	83.2	88.2	91.8	93.1	93.7	94.1	94.2	94.2	94.5
IV 300	9.9	25.4	33.3	46.2	56.9	66.6	70.8	83.8	89.1	93.1	94.8	95.4	96.1	96.2	96.3	96.6
IV 200	9.9	25.4	33.3	46.2	56.9	66.6	70.8	84.0	89.3	93.3	95.1	95.8	96.6	96.9	97.0	97.3
IV 100	9.9	25.4	33.3	46.2	56.9	66.6	70.8	84.0	89.3	93.3	95.1	95.8	96.6	96.9	97.0	97.3
IV 0	9.9	25.4	33.3	46.2	56.9	66.6	70.8	84.0	89.3	93.3	95.4	96.0	97.0	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1484

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34177

MUNBERG GERMANY/F-35

55-7

1437

1437

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	1.6	4.2	6.2	3.4	1.5	12.9	13.9	15.8	16.1	17.4	17.7	17.9	18.1	18.3	18.4	18.5
IV 20000	2.3	5.9	8.4	11.9	15.1	17.5	19.0	21.3	21.9	23.1	23.8	24.2	24.2	24.2	24.2	24.2
IV 18000	2.3	5.9	8.6	12.0	15.3	17.7	19.2	21.5	22.1	23.3	24.0	24.2	24.2	24.2	24.2	24.4
IV 16000	2.3	5.9	8.6	12.0	15.3	17.7	19.2	21.5	22.1	23.3	24.0	24.2	24.2	24.2	24.2	24.4
IV 14000	2.8	5.9	8.6	12.0	15.4	17.8	19.2	21.6	22.1	23.4	24.0	24.2	24.3	24.3	24.4	24.4
IV 12000	2.4	6.0	8.9	12.3	15.7	18.2	19.6	22.2	22.7	24.1	24.7	24.9	25.0	25.1	25.1	25.1
IV 10000	3.2	7.7	10.9	14.6	18.4	21.1	22.6	25.2	25.3	27.1	27.9	28.2	28.3	28.3	28.3	28.4
IV 9000	3.4	9.5	11.9	16.1	20.2	23.1	24.8	27.7	28.4	29.8	30.5	30.9	31.0	31.1	31.1	31.1
IV 8000	3.7	9.0	12.7	17.1	21.6	24.8	26.5	29.6	30.3	31.6	32.4	32.8	32.9	32.9	32.9	33.0
IV 7000	3.7	9.0	12.8	17.3	21.8	25.0	26.7	29.8	30.5	31.8	32.6	33.0	33.1	33.1	33.1	33.2
IV 6000	3.9	9.2	13.2	18.0	22.7	25.8	27.6	30.9	31.6	32.9	33.7	34.1	34.2	34.2	34.3	34.3
IV 5000	4.2	10.1	14.3	19.6	24.7	28.3	30.2	33.7	34.4	35.5	36.7	37.1	37.2	37.2	37.2	37.3
IV 4500	4.3	10.1	14.3	19.7	24.8	28.4	30.3	33.9	34.5	35.6	36.8	37.2	37.3	37.3	37.4	37.4
IV 4000	4.9	12.3	16.8	22.5	28.1	32.3	34.3	38.2	39.1	40.6	41.4	41.9	42.0	42.0	42.1	42.1
IV 3500	5.1	13.1	17.8	23.7	29.4	33.5	35.6	39.5	40.5	41.9	42.8	43.2	43.3	43.3	43.4	43.5
IV 3000	5.9	15.0	20.0	25.7	32.9	37.4	39.6	44.1	44.9	46.4	47.2	47.6	47.9	47.9	48.0	48.1
IV 2500	6.5	16.5	22.1	29.5	36.0	40.8	43.0	47.9	49.0	50.5	51.6	52.0	52.2	52.2	52.3	52.4
IV 2000	7.8	18.9	25.0	33.2	40.3	45.4	47.9	53.1	54.3	55.5	57.0	57.4	57.6	57.6	57.7	57.8
IV 1800	8.0	19.2	25.2	33.5	40.9	46.1	48.7	54.0	55.2	56.7	57.8	58.2	58.5	58.5	58.6	58.6
IV 1600	8.9	21.8	28.2	37.4	46.0	51.8	54.6	60.8	62.3	64.3	65.5	65.9	66.3	66.3	66.4	66.5
IV 1400	9.4	22.9	29.5	39.6	48.9	55.1	58.4	65.2	67.4	69.4	70.5	71.0	71.5	71.5	71.5	71.5
IV 1200	9.4	23.0	30.9	42.1	52.0	59.1	62.6	70.0	72.9	75.0	76.2	76.9	77.4	77.4	77.5	77.5
IV 1000	9.5	24.2	31.4	42.8	53.2	60.4	63.6	71.5	74.4	76.6	77.9	78.5	79.1	79.1	79.2	79.3
IV 900	9.6	24.6	31.9	43.7	54.7	62.3	66.1	74.2	77.5	79.9	81.2	81.8	82.5	82.5	82.5	82.6
IV 800	9.6	25.0	32.3	44.6	56.7	64.7	68.5	77.5	81.0	83.6	85.1	85.7	86.4	86.4	86.5	86.6
IV 700	9.6	25.1	32.6	45.1	58.0	66.7	71.2	80.6	84.3	87.1	88.6	89.3	90.1	90.4	90.4	90.5
IV 600	9.6	25.2	33.0	45.4	58.8	67.6	72.5	82.5	86.4	89.5	91.2	92.2	93.3	93.6	93.7	93.7
IV 500	9.6	25.2	33.0	45.5	59.2	68.5	73.4	83.7	87.8	91.2	93.2	94.1	95.3	95.7	95.8	95.9
IV 400	9.6	25.2	33.0	45.5	59.2	68.6	73.5	84.3	88.4	92.0	94.5	95.4	96.8	97.4	97.7	97.8
IV 300	9.6	25.2	33.0	45.5	59.2	68.6	73.5	84.3	88.4	92.1	94.6	95.5	97.0	97.6	97.8	97.9
IV 200	9.6	25.2	33.0	45.5	59.2	68.6	73.5	84.3	88.4	92.1	94.6	95.5	97.0	97.6	97.8	97.9
IV 100	9.6	25.2	33.0	45.5	59.2	68.6	73.5	84.3	88.4	92.1	94.6	95.5	97.0	97.6	97.8	97.9
IV 0	9.6	25.2	33.0	45.5	59.2	68.6	73.5	84.3	88.4	92.3	94.9	95.8	97.8	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1462

DATA PROCESSING 11 151
 USAF ETAC
 AIR - EAT-ER SERVICES, INC.

CEILING VERSUS VISIBILITY

34177 HORNBERG GERMANY/F. 4-7

35-7

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING FEET	210	20	25	24	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
NO CEILING	2.1	7.4	9.5	12.1	13.4	15.5	16.1	19.2	19.5	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000	2.4	3.3	11.6	13.4	15.9	18.3	19.3	21.6	23.1	23.9	23.9	24.1	24.2	24.3	24.3	24.4	24.4	24.4	24.4
≥ 8000	2.4	3.3	11.6	13.4	15.9	18.3	19.3	21.6	23.1	23.9	23.9	24.1	24.2	24.3	24.3	24.4	24.4	24.4	24.4
≥ 6000	2.4	3.3	11.6	13.4	15.9	18.3	19.3	21.6	23.1	23.9	23.9	24.1	24.2	24.3	24.3	24.4	24.4	24.4	24.4
≥ 4000	2.5	3.6	11.3	14.2	16.2	18.7	19.9	22.1	23.5	24.3	24.3	24.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 2000	2.8	3.7	11.5	14.4	16.5	19.0	19.5	22.4	23.9	24.6	24.6	24.6	24.9	25.1	25.2	25.3	25.3	25.3	25.3
≥ 3000	3.6	11.4	13.6	17.1	19.7	22.6	23.4	25.5	25.4	25.7	29.3	29.3	29.2	29.4	29.4	29.4	29.4	29.4	29.4
≥ 9000	4.3	11.9	15.1	18.7	21.4	24.5	25.5	25.6	31.2	31.1	31.2	31.3	31.5	31.6	31.7	31.7	31.7	31.7	31.7
≥ 8000	4.5	12.7	16.1	19.9	22.7	26.0	26.7	30.4	32.0	32.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 7000	4.5	12.5	16.1	20.1	22.9	26.2	26.9	30.8	32.3	32.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 6000	5.3	14.1	17.6	21.6	24.6	27.9	28.6	32.3	34.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 5000	5.3	16.4	20.0	24.5	27.6	31.3	31.9	35.8	37.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 4500	6.2	16.7	20.5	24.5	27.9	31.4	32.2	36.4	37.9	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 4000	6.2	20.6	24.5	29.2	32.5	36.2	37.0	41.3	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 3500	8.5	21.4	25.3	30.3	33.3	37.0	37.5	42.1	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 3000	9.8	23.9	28.5	34.4	38.2	42.1	43.1	47.7	49.2	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 2500	10.0	26.7	32.4	39.3	43.2	47.7	48.7	53.7	55.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 2000	10.7	23.4	25.6	42.7	47.2	53.5	54.7	60.1	61.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 1500	11.4	30.4	36.9	46.6	49.7	55.6	56.9	62.5	64.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 1000	11.3	32.3	40.1	48.7	54.4	61.1	62.6	65.4	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 900	12.2	33.2	41.5	50.6	56.9	64.5	66.3	73.2	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 800	12.2	34.2	42.7	52.7	60.5	69.0	71.1	78.6	81.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 700	12.2	34.5	42.7	53.1	61.6	69.7	71.9	79.6	82.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 600	12.2	36.6	43.1	53.4	61.8	71.0	73.3	81.5	84.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 500	12.2	34.7	43.5	53.7	62.4	71.5	74.2	83.0	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 400	12.2	34.7	43.5	53.7	62.4	71.5	74.2	83.0	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 300	12.2	34.7	43.5	53.7	62.4	71.5	74.2	83.0	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 200	12.2	34.7	43.5	53.7	62.4	71.5	74.2	83.0	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 100	12.2	34.7	43.5	53.7	62.4	71.5	74.2	83.0	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 0	12.2	34.7	43.5	53.7	62.4	71.5	74.2	83.0	85.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 1482

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. 1 month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1946. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING
ETAC/USAF
AIR WEATHER SERVICE

SKY COVER

34177

NORTH GORP V.F. RTH

55-7

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	11.4	5.1		2.9	3.1	2.1	3.1		4.1	11.7	19.1	7.7	11904
FEB		14.1	3.7		3.1	3.8	2.5	2.1		5.3	15.2	4.3	7.3	11904
MAR		14.7	5.5		4.6	4.7	3.1	4.1		5.4	11.1	17.5	6.7	11904
APR		10.9	7.4		5.7	5.7	3.9	5.1		9.1	21.5	21.7	6.7	11904
MAY		8.1	8.5		6.4	7.1	5.2	5.3		9.1	22.1	15.7	6.6	11904
JUN		3.1	11.7		7.0	7.5	5.3	6.9		9.9	21.4	22.4	6.2	11904
JUL		10.4	12.1		6.6	7.9	5.5	7.1		9.4	21.2	19.9	6.1	11904
AUG		10.1	9.5		6.1	7.3	5.8	6.6		9.4	22.4	22.8	6.3	11904
SEP		20.3	11.1		6.1	5.5	3.8	3.4		7.7	18.4	21.7	5.5	11904
OCT		19.4	6.9		4.3	4.3	3.1	4.1		5.7	16.8	25.5	6.2	11904
NOV		8.5	3.6		3.0	2.7	2.0	2.8		4.6	17.2	25.6	6.0	11904
DEC		10.5	2.8		2.2	2.5	1.5	2.5		4.0	15.0	29.1	6.0	11904
TOTALS		12.2	7.4		4.9	5.2	3.7	4.9		7.2	19.1	35.7	6.6	140256

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

55-7

STATION

STATION NAME

PERIOD

MONT 4

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	16.	2.4		2.7	3.6	1.7	2.2		3.0	11.1	16.7	7.4	1435
	03-05	14.0	2.7		3.1	3.5	1.6	2.0		2.9	0.7	11.1	7.5	1439
	06-08	5.9	4.3		2.8	3.2	1.9	2.4		4.5	10.4	35.0	7.9	1408
	09-11	7.5	3.3		2.4	3.2	1.3	2.7		6.6	25.1	47.	3.0	1434
	12-14	5.5	5.1		3.0	1.7	1.7	5.1		6.5	27.0	34.0	8.1	1432
	15-17	5.5	5.0		3.4	2.7	2.6	3.3		6.7	21.8	43.1	7.9	1433
	18-20	13.2	5.		3.1	3.1	2.4	3.3		4.0	12.5	35.6	7.6	1488
	21-23	15.7	1.9		2.8	3.5	1.6	2.4		4.4	11.0	36.5	7.5	1488
TOTALS		11.0	3.6		2.9	3.1	2.0	3.0		4.8	16.7	53.0	7.7	11904

SKY COVER

1992

SYSTEM

STATION NAME

MEMORANDUM

MOA

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	19.	1.5		2.5	4.1	2.7	3.4		4.1	13.1	46.0	7.1	1356
	03-05	17.3	1.5		3.4	2.7	2.4	2.8		2.6	14.4	32.9	7.3	1356
	06-08	9.4	5.4		2.9	3.0	1.8	2.9		5.1	2.3	43.4	7.7	1356
	09-11	9.7	4.1		2.1	3.5	2.7	3.5		6.9	25.7	41.0	7.6	1356
	12-14	9.5	4.4		2.4	3.2	2.3	5.3		8.9	26.3	25.9	7.3	1356
	15-17	9.4	5.2		4.1	4.7	3.1	4.0		8.5	23.5	27.1	7.2	1356
	18-20	17.0	4.4		5.8	3.3	2.6	4.1		5.2	16.3	43.5	6.9	1356
	21-23	20.9	2.2		2.6	4.5	2.2	2.7		5.5	12.0	47.4	6.8	1356
TOTALS		14.0	3.7		3.0	3.6	2.5	3.6		5.9	19.2	44.5	7.3	10348

SKY COVER

55-7

STATION

STATION NAME

1952-53

[illegible]

SKY COVER

2000

STATION

STATION NAME

000000

4479

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	23.5	5.1		6.2	5.2	2.7	5.3		6.4	11.5	25.0	6.0	1440
	03-05	14.7	6.1		6.9	4.3	3.3	3.7		7.0	10.5	16.0	5.5	1440
	06-08	9.3	5.4		4.8	4.9	2.5	4.5		7.2	24.4	32.7	6.9	1440
	09-11	5.9	7.1		5.2	4.0	4.1	5.9		11.2	25.5	23.1	7.1	1440
	12-14	2.6	7.1		4.9	6.9	4.7	5.7		11.7	27.1	25.6	7.3	1440
	15-17	2.8	6.1		5.0	6.5	6.0	5.3		12.2	24.4	26.2	7.1	1440
	18-20	7.4	11.2		6.7	6.5	4.6	5.3		10.1	19.7	28.1	6.5	1440
	21-23	21.4	5.0		6.0	6.6	3.1	5.6		5.8	13.1	23.3	6.0	1440
TOTALS		10.9	7.6		5.7	5.7	3.9	6.1		9.0	20.5	30.7	6.7	11520

SKY COVER

2-11

STATION

STATICS NAME

2100

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	22.5	7.5		6.7	5.7	3.0	4.4		5.4	11.5	31.2	5.6	1454
	03-05	9.5	11.0		5.8	7.0	4.6	4.4		7.5	19.0	29.1	6.4	1448
	06-08	10.7	5.5		3.8	5.9	3.2	3.4		9.1	25.3	23.9	6.7	1432
	09-11	3.1	9.1		5.5	5.5	6.7	8.3		13.0	25.3	23.3	7.0	1428
	12-14	1.3	5.4		4.8	7.1	8.3	9.2		15.2	29.4	27.0	7.3	1432
	15-17	1.3	6.5		7.2	8.1	7.3	8.5		12.0	26.1	23.2	7.1	1438
	18-20	3.4	13.5		8.0	8.2	4.3	5.9		9.9	22.0	23.7	6.5	1488
	21-23	15.5	2.9		9.3	7.1	4.6	5.5		5.7	15.1	27.4	5.5	1488
TOTALS		8.6	8.9		6.4	7.0	5.2	6.5		9.8	22.1	25.7	6.6	11904

SKY COVER

55-7

SATION

STATION NAME

11.03

4274

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	20.5	10.6		7.4	6.8	3.6	5.0		5.9	11.6	26.1	5.4	1440
	03-05	10.3	15.3		6.9	7.0	5.1	4.7		7.6	19.2	23.7	5.9	1440
	06-08	9.9	15.2		6.7	7.4	4.9	5.9		8.2	20.5	21.2	5.9	1440
	09-11	2.4	12.4		6.2	6.4	6.3	9.0		11.9	24.7	16.7	6.6	1440
	12-14	1.2	7.3		7.2	7.2	6.2	9.4		15.3	27.5	18.3	7.0	1440
	15-17	2.0	9.4		7.1	7.7	5.6	9.0		11.9	25.1	21.2	6.6	1440
	18-20	4.0	13.0		7.2	7.2	4.7	6.0		10.9	24.6	22.2	6.6	1440
	21-23	13.6	10.2		6.9	8.6	3.6	6.2		7.6	17.6	25.4	6.0	1440
TOTALS		80.0	11.7		7.0	7.5	5.3	6.9		9.9	21.4	22.4	6.3	11520

DATA PROCESSING 1-1-1
ETAC/USAF
AIR WEATHER SERVICES/ AC

SKY COVER

34177

NUMERICAL Y/FORTH

55-7

55-7

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	40.5	4.7		5.0	4.4	2.0	3.0		3.6	1.0	15.0	4.5	144
	03-05	25.0	11.1		4.8	4.2	2.5	4.0		4.7	12.4	13.3	5.2	144
	06-08	14.3	11.7		5.3	4.0	3.5	4.0		6.3	22.4	15.4	5.1	144
	09-11	11.7	14.4		5.1	4.2	4.0	6.0		11.7	24.0	19.1	5.0	144
	12-14	6.0	13.2		6.3	3.4	4.7	7.6		11.9	25.2	5.5	6.1	144
	15-17	9.2	13.3		7.2	7.0	4.4	7.2		11.5	23.8	15.9	5.9	144
	18-20	16.3	13.1		7.2	7.6	4.7	5.0		7.6	16.3	20.3	5.4	144
	21-23	33.1	7.2		6.4	5.4	3.8	3.5		3.0	12.2	22.6	4.7	144
TOTALS		20.3	11.1		6.0	5.8	3.8	5.4		7.7	18.4	21.7	5.5	13520

DATA PROCESSING DIVISION
STRUCTURE
AIR FORCE SERVICE (SAC)
ASHEVILLE, NORTH CAROLINA

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the form. These consist of the sum of squares ($\sum X^2$), sum values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

PSYCHROMETRIC SUMMARY

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COPIES

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0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

34177

AURASSO GERALD E. RTH
STATION NAME

7-33

YEARS

4759

NO. 59

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0-26.5 (OL A)

FORM 4

JSAFETAC

PSYCHROMETRIC SUMMARY

35-7-

YEARS

449

1955 5 8

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USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

55-7-

YEAR:

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D-26-5 (OLA)

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USAFETAC

11/19/2016 11:11 AM

1470

55-7-

STATION

STATION NAME

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424

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point														
4/ 3	.1																	2	2	2	2														
2/ 1	.1																	2	2	2	2														
0/ -1	.0																	2	2	2	2														
TOTAL	12.0	44.9	20.6	11.9	5.5	2.2	1.3	.8	.3	.2	.1							206	206	206	206														

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL-A)

11. *Journal of the American Medical Association*, 1991; 266: 1033-1036.

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/FURTH
STATION NO. STATION NAME

55-73

APP

PAGE 1

ALL

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PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-7a

423

PAGE 2

311

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PSYCHROMETRIC SUMMARY

<u>26177</u>	<u>MURNEBERG GERMANY/FURTH</u>
STATION	STATION NAME

55-72

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PAGE 1

All

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34177	NURNBERG GERMANY/FURTH
STATION	STATION NAME

55-70

PAGE 2

12

ALL

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PSYCHROMETRIC SUMMARY

26177 STATION MURNBERG GERMANY/FURTH STATION NAME

55-72

11

PAGE 2

ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	2.6	29.7	17.3	11.3	9.7	8.5	6.3	5.0	3.9	2.5	1.1	1.0	.3	.1	.1	.0											3967	3967				
Element (X)	Zx ²	Zx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature										Total																
Rel. Hum.	21316411	280867	70.8	18.993	3967	< 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																				
Dry Bulb	16611984	253892	64.0	9.561	3967			245.3	143.3	55.5	2.1	744																				
Wet Bulb	13363382	229116	57.8	5.740	3967			48.2	.8			744																				
Dew Point	11377248	211232	53.3	5.576	3967			.8				744																				

PSYCHROMETRIC SUMMARY

Y⁶ AHS

457

W.D.S. S.

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USAFETAC

PSYCHROMETRIC SUMMARY

228

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PSYCHROMETRIC SUMMARY

554

4429

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195

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PSYCHROMETRIC SUMMARY

34177
STAT.

NURBERG GERMANY F.R.G.
STATION NAME

55-7

222

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PSYCHROMETRIC SUMMARY

34177
STATIO

MURPHY'S GEAR - Y. 1-1-1

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PSYCHROMETRIC SUMMARY

34177 SURFACE - C GPP

STATION STATION NAME

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$$25 : \frac{2-500}{250,500}$$

PSYCHROMETRIC SUMMARY

YES

PSYCHROMETRIC SUMMARY

55-7

22-140

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34177
STATION

MURKESBACH GERMANY V. F. 37-
STATION NAME

55-7
YEARS

226
MONTH

PAGE 1 1955-1956
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
52/ 51				.7	.2																														
50/ 49				.2	.6																														
48/ 47																																			
46/ 45				1.3	1.5	.2																													
44/ 43			.2	1.3	1.1	.2																													
42/ 41			.9	2.7	.2																														
40/ 39			.4	3.5	.2																														
38/ 37			3.1	3.5	.7	.2																													
36/ 35			.9	6.4	.4																														
34/ 33			.7	7.7	.7																														
32/ 31			.7	7.1	.2																														
30/ 29			.4	7.5	.4																														
28/ 27			7.1	4.6	.7																														
26/ 25			2.2	3.3																															
24/ 23			1.3	4.0	.2																														
22/ 21			2.9	.4																															
20/ 19			1.5		.2																														
18/ 17			.9	1.3																															
16/ 15			.9	.4	.2																														
14/ 13			.7	1.3	.2																														
12/ 11			1.3	.4																															
10/ 9			1.3	1.1																															
8/ 7			.7																																
6/ 5			.4																																
4/ 3			.4																																
2/ 1			.2	.6																															
0/ -1			.4																																
-2/ -3			.7																																
-4/ -5			.7																																
-6/ -7			.2																																
-8/ -9																																			
-10/ -11			.2																																
-12/ -13																																			
-14/ -15																																			
-16/ -17																																			
Element (X)	Σ X²			Σ X			X̄			e _x			No. Obs.			Mean No. of Hours with Temperature											Total								
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

55-7

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0.26.5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

55-71

YES

REVERED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM

USAFETAC

Index

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HOURS 'L. E. 7

YEARS

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USAFETAC FORM 26-5 (QLA)

PSYCHROMETRIC SUMMARY

189

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[illegible]

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
56/ 55				.2																														
52/ 51			.4																															
50/ 49			.4																															
48/ 47		.2	.2																															
46/ 45		1.5																																
44/ 43	.7	1.5	.4																															
42/ 41	.2	4.6	.4																															
40/ 39	.2	4.4	.4																															
38/ 37	3.8	2.0	.7																															
36/ 35	.4	4.6	1.3	.2																														
34/ 33	.7	7.1	.2																															
32/ 31	1.5	6.0																																
30/ 29	1.5	5.3	1.1																															
28/ 27	7.3	4.0	.2																															
26/ 25	2.4	1.5	.4																															
24/ 23	2.4	2.4																																
22/ 21	3.3	1.5	.2																															
20/ 19	3.1	.2																																
18/ 17	1.3	.9																																
16/ 15	.9	1.1																																
14/ 13	.9	1.1																																
12/ 11	1.1																																	
10/ 9	2.7	.2																																
8/ 7	.7																																	
6/ 5	1.8																																	
4/ 3	.9																																	
2/ 1	.4																																	
0/ -1	.7																																	
-2/ -3	.9																																	
-4/ -5	.4																																	
-6/ -7	.2																																	
-8/ -9	.4																																	
-10/ -11	.4																																	
-12/ -13	.2																																	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																												
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL-A)

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USAFETAC

PSYCHROMETRIC SUMMARY

55-7

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

YEARS

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PSYCHROMETRIC SUMMARY

YEARS

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23. 24. 25.

150-170
HOURS 11.5. T.1

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PSYCHROMETRIC SUMMARY

55-7

100

0424 2

1250-170
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-6/ -7																						1													
-8/ -9																						2													
TOTAL	4.23	8.52	5.72	3.1	8.2	2.2	.7	.4												452		452													

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

FORM

USAFETAC

PSYCHROMETRIC SUMMARY

35-7

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100-200

PSYCHROMETRIC SUMMARY

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2-27 2 21-2-220
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FORM 0-26-5 (OLA)
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USAFETAC

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STATION

STATION NAME

YEARS

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USAFETAC

PSYCHROMETRIC SUMMARY

1558-9

YEARS

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USAFETAC

PSYCHROMETRIC SUMMARY

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USAFETAC
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PSYCHROMETRIC SUMMARY

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2. 4. 1.

1000

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
62/ 51					.2																														
58/ 57				.4		.2																													
56/ 55			.2	1.0	.2																														
54/ 53		.4	.2	.2	.2																														
52/ 51		.8	.2	.4	.2																														
50/ 49		.4	1.2	1.4	.2	.2																													
48/ 47	.4	1.8	1.4	.4	.2																														
46/ 45		.8	4.4	2.0	1.0																														
44/ 43		2.0	2.4	1.2																															
42/ 41		3.0	2.0	1.2	.2																														
40/ 39	1.0	4.4	3.2	.8	.4																														
38/ 37	1.0	3.4	1.8	1.0																															
36/ 35	.2	5.6	1.4	.4																															
34/ 33		2.0	2.8	1.0																															
32/ 31		4.0	3.8	.6																															
30/ 29	.2	2.4	2.2		.2																														
28/ 27	1.0	4.0	3.2																																
26/ 25	.2	1.4	.6																																
24/ 23	.2	1.8	.2																																
22/ 21	.2	.4	.2																																
20/ 19		.2																																	
18/ 17		.6																																	
16/ 15	.2	.2																																	
14/ 13																																			
12/ 11		.2																																	
10/ 9	.2	.2																																	
8/ 7																																			
6/ 5																																			
TOTAL	0.0	45.6	31.9	13.1	3.0	.4												490	496	496	496														

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2960237	37425	212.610	496		$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	743161	3739	27.5	8.332	496		27.7					92
Wet Bulb	639613	1739	35.0	7.837	496		35.0					92
Dew Point	809723	15279	30.8	8.883	496		52.7					92

Source: *Journal of Management Education*, 20(6), 709-728.

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REVIEWED BY YOU THROUGHOUT THE FORM AND OBTAINED

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USAFETAC

PSYCHROMETRIC SUMMARY

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HOURS 1.5 11

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0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 44

USAFETAC

PSYCHROMETRIC SUMMARY

34177	NURNBERG GERMANY/FUKT
STATION	STATION NAME

35-7-

YEARS

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[illegible]

PSYCHROMETRIC SUMMARY

55-7-

Yf 129

MONA

100-200
HOLDS - S. T.

[illegible]

PSYCHROMETRIC SUMMARY

34177 MURNBERG GER 2 A-Y/FURTH
STATION STATION NAME

55-70

YEARS

42818

Page: 2100-23
HOURS: 11-5, P.

[illegible]

PSYCHROMETRIC SUMMARY

53-72

223

RECEIVED
JAN 10 1965

[illegible]

1990

YEARS

22
40494

STATION NAME

2-12, 13-14, 15-16, 17-18, 19-20, 21-22, 23-24, 25-26, 27-28, 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, 81-82, 83-84, 85-86, 87-88, 89-90, 91-92, 93-94, 95-96, 97-98, 99-100, 101-102, 103-104, 105-106, 107-108, 109-110, 111-112, 113-114, 115-116, 117-118, 119-120, 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-144, 145-146, 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 159-160, 161-162, 163-164, 165-166, 167-168, 169-170, 171-172, 173-174, 175-176, 177-178, 179-180, 181-182, 183-184, 185-186, 187-188, 189-190, 191-192, 193-194, 195-196, 197-198, 199-200, 201-202, 203-204, 205-206, 207-208, 209-210, 211-212, 213-214, 215-216, 217-218, 219-220, 221-222, 223-224, 225-226, 227-228, 229-230, 231-232, 233-234, 235-236, 237-238, 239-240, 241-242, 243-244, 245-246, 247-248, 249-250, 251-252, 253-254, 255-256, 257-258, 259-260, 261-262, 263-264, 265-266, 267-268, 269-270, 271-272, 273-274, 275-276, 277-278, 279-280, 281-282, 283-284, 285-286, 287-288, 289-290, 291-292, 293-294, 295-296, 297-298, 299-300, 301-302, 303-304, 305-306, 307-308, 309-310, 311-312, 313-314, 315-316, 317-318, 319-320, 321-322, 323-324, 325-326, 327-328, 329-330, 331-332, 333-334, 335-336, 337-338, 339-340, 341-342, 343-344, 345-346, 347-348, 349-350, 351-352, 353-354, 355-356, 357-358, 359-360, 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382, 383-384, 385-386, 387-388, 389-390, 391-392, 393-394, 395-396, 397-398, 399-400, 401-402, 403-404, 405-406, 407-408, 409-410, 411-412, 413-414, 415-416, 417-418, 419-420, 421-422, 423-424, 425-426, 427-428, 429-430, 431-432, 433-434, 435-436, 437-438, 439-440, 441-442, 443-444, 445-446, 447-448, 449-450, 451-452, 453-454, 455-456, 457-458, 459-460, 461-462, 463-464, 465-466, 467-468, 469-470, 471-472, 473-474, 475-476, 477-478, 479-480, 481-482, 483-484, 485-486, 487-488, 489-490, 491-492, 493-494, 495-496, 497-498, 499-500, 501-502, 503-504, 505-506, 507-508, 509-510, 511-512, 513-514, 515-516, 517-518, 519-520, 521-522, 523-524, 525-526, 527-528, 529-530, 531-532, 533-534, 535-536, 537-538, 539-540, 541-542, 543-544, 545-546, 547-548, 549-550, 551-552, 553-554, 555-556, 557-558, 559-560, 561-562, 563-564, 565-566, 567-568, 569-570, 571-572, 573-574, 575-576, 577-578, 579-580, 581-582, 583-584, 585-586, 587-588, 589-590, 591-592, 593-594, 595-596, 597-598, 599-600, 601-602, 603-604, 605-606, 607-608, 609-610, 611-612, 613-614, 615-616, 617-618, 619-620, 621-622, 623-624, 625-626, 627-628, 629-630, 631-632, 633-634, 635-636, 637-638, 639-640, 641-642, 643-644, 645-646, 647-648, 649-650, 651-652, 653-654, 655-656, 657-658, 659-660, 661-662, 663-664, 665-666, 667-668, 669-670, 671-672, 673-674, 675-676, 677-678, 679-680, 681-682, 683-684, 685-686, 687-688, 689-690, 691-692, 693-694, 695-696, 697-698, 699-700, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 717-718, 719-720, 721-722, 723-724, 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741-742, 743-744, 745-746, 747-748, 749-750, 751-752, 753-754, 755-756, 757-758, 759-760, 761-762, 763-764, 765-766, 767-768, 769-770, 771-772, 773-774, 775-776, 777-778, 779-780, 781-782, 783-784, 785-786, 787-788, 789-790, 791-792, 793-794, 795-796, 797-798, 799-800, 801-802, 803-804, 805-806, 807-808, 809-810, 811-812, 813-814, 815-816, 817-818, 819-820, 821-822, 823-824, 825-826, 827-828, 829-830, 831-832, 833-834, 835-836, 837-838, 839-840, 841-842, 843-844, 845-846, 847-848, 849-850, 851-852, 853-854, 855-856, 857-858, 859-860, 861-862, 863-864, 865-866, 867-868, 869-870, 871-872, 873-874, 875-876, 877-878, 879-880, 881-882, 883-884, 885-886, 887-888, 889-890, 891-892, 893-894, 895-896, 897-898, 899-900, 901-902, 903-904, 905-906, 907-908, 909-910, 911-912, 913-914, 915-916, 917-918, 919-920, 921-922, 923-924, 925-926, 927-928, 929-930, 931-932, 933-934, 935-936, 937-938, 939-940,

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D-26-S (O1-A)

FORM 1

USAFETAC

PSYCHROMETRIC SUMMARY

55-7-

YIARS

MCN 1

DATE: 11-1-77

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/NAF

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/FORT

55-70

YEARS

50

PAGE 1 900-1100

HOURS 11.0

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28-29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
74/ 73								.4												2		2													
72/ 71								.4												2		2													
70/ 69								.4												2		2													
68/ 67						.2	.2	.2												3		3													
66/ 65						.5	.4													5		5													
64/ 63				.6	.6	1.7	.6													17		17													
62/ 61				.2	1.5	.2	.4													11		11													
60/ 59			.4	.8	.4	.6	.4													13		13	2												
58/ 57		.2	.4	2.7	.8	.6	.5													27		27	9												
56/ 55		.2	1.0	2.5	1.0	.6														27		27	16												
54/ 53		.6	.4	2.9	1.7	1.0	.5	.2												36		36	20												
52/ 51		2.5	2.3	1.5	2.7	.2														44		44	32												
50/ 49	.2	1.0	2.9	1.9	.6	1.0														37		37	43												
48/ 47	.2	3.7	1.5	2.7	.6		.2													43		43	52												
46/ 45	.4	3.1	5.0	4.6	.8															67		67	57												
44/ 43		2.5	1.9	2.3	.8															36		36	40												
42/ 41		2.1	1.2	.8	.4															22		22	55												
40/ 39		2.1	2.1	1.2	.4															28		28	35												
38/ 37	.6	1.7	1.2	1.5																24		24	35												
36/ 35		1.9	1.5	.2																17		17	29												
34/ 33	.4	.6	.8	.2																10		10	28												
32/ 31	.2	.4	.6																	6		6	19												
30/ 29																							4												
28/ 27		.2																		1		1	3												
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
18/ 17																																			
TOTAL	2.1	22.9	23.3	26.7	12.5	7.1	3.7	1.7													480		480												
																				480		480													
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total														
Rel. Hum.	2346500		32756		68.2		5.234		480		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																			
Dry Bulb	1163715		23295		48.5		8.322		480			1.3	1.7	.4				90																	
Wet Bulb	937409		20961		43.7		6.787		480			4.9						90																	
Dew Point	722792		18268		38.1		7.574		480			21.9						90																	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94177 NURNBERG GERMANY/F.W.R.T.
STATION STATION NAME

55-70

APR
MONTH

PAGE 1 1222-1400
-0005 IL. S. C.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
84/ 83												.2	.2					2		2															
82/ 81												.2								1															
80/ 79												.4						2		2															
78/ 77										.2	.2	.2						2		2															
76/ 75										.2	.4	.2						4		4															
74/ 73									.4	.6								5		5															
72/ 71							.2	.4	.6									5		5															
70/ 69						.4	.6	.4	.2	.2								3		3															
68/ 67					.2	1.0	.4	.6		.2								12		12															
66/ 65						.6	.2	.2	.4	.2								3		3															
64/ 63				.4	1.0	2.1	1.9	1.7	1.2									4		4		2													
62/ 61			.2	.8	1.5	.8	2.1	.6	.2									2		2		3													
60/ 59			.2	1.0	1.2	1.0	1.7	1.2	.2									32		32		11													
58/ 57		.2	.2	1.2	1.7	1.5	.8	.4										29		29		17													
56/ 55			1.7	1.7	.6	2.5	.8											35		35		24													
54/ 53		.4	2.1	1.2	1.5	.8	1.5											35		35		26													
52/ 51		.8	.6	.2	.8	1.7	.2											2		2		46													
50/ 49		.6	2.1	1.0	.6	.8	.6											28		28		53													
48/ 47	.3	2.1	1.0	1.2	1.0	.2	.4											30		30		47													
46/ 45	.2	2.1	2.1	2.5	2.9	1.2												57		57		66													
44/ 43		.8	1.9	1.2	.4	1.0												26		26		35													
42/ 41		1.5	.8	2.7	.8	.2												29		29		33													
40/ 39		.6	.8	1.0	.8													16		16		33													
38/ 37	.4	1.7	.2	.2														12		12		31													
36/ 35		.4	.6															5		5		33													
34/ 33	.2		.2	.2														3		3		19													
32/ 31			.2															1		1		8													
30/ 29																					1														
28/ 27																																			
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
18/ 17																																			
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																$\leq 0 F$ $\leq 32 F$ $\leq 67 F$ $\leq 73 F$ $\leq 80 F$ $\leq 93 F$ Total																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

5547.

402

PAGE 2 1200-1400
MAY 25 1964

[illegible]

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55 70

428

PAGE 2 ~~1500-1700~~

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30	31	DB, WB	Wet Bulb	Dew Point
16/ 13																					
16/ 13																					
10/ 9																					
TOTAL	210	212	515	812	313	811	5	9.5	5.0	2.5	2.1	1.0	.2						480	480	480

PSYCHROMETRIC SUMMARY

APR

Ways to Save:

[illegible]

PSYCHROMETRIC SUMMARY

423

PAGE 2 ~~1800-2000~~

USAFETAC
FORM
NO. 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/EARTH
STATION STATION NAME

55-70

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MONT

PAGE 1 ~~0000-0200~~

[illegible]

PSYCHROMETRIC SUMMARY

55-70

DAY

PAGE 1 0300-0500
HOURS (12, 3, 7)

PSYCHROMETRIC SUMMARY

444

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

36177 NURNBERG GERMANY/FURTH
STATION STAT ON NAME

55-70
YEARS

MAY
MONTH
PAGE 1 1200-1400
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL W.B.		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
86/ 83												.2	.2						2	2															
82/ 81									.2	.2	.4			.2				5	5																
80/ 79								.2	.2	.4	.4							6	6																
78/ 77						.2	.4	.2		1.4	.4							13	13																
76/ 75								.4	.6	1.0	.2							11	11																
74/ 73						.2	1.6	1.6	.8	.4								23	23																
72/ 71					.2	.4	.4	1.2	.8	.2	.2							17	17																
70/ 69					.6	1.2	1.2	.4	.8	.8								25	25																
68/ 67					.4	.8	1.8	.6	1.6	.2								27	27	1															
66/ 65			.5		.2	.4	2.4	.6	.6	.4								26	26	6															
64/ 63			.6	1.6	1.3	3.0	2.8	2.8	1.8									72	72	6															
62/ 61			.4	.8	1.6	1.0	1.6	.8										31	31	25	1														
60/ 59		.2	.4	1.2	2.8	2.2	.8	.4										40	40	40	4														
58/ 57		1.2	.8	2.6	1.6	2.2	.2											43	43	37	13														
56/ 55		.8	1.2	2.2	.4	1.4	.4											32	32	45	10														
54/ 53		.2	.4	1.8	1.6	.6	1.2											29	29	61	20														
52/ 51		2.0	1.4	1.0	.6	.4	.4											29	29	68	26														
50/ 49		1.0	1.4	1.2	1.4	1.0												30	30	63	33														
48/ 47		1.2	.8	.4	.4	.2												15	15	53	51														
46/ 45		.8	1.0	.2	.6													13	13	37	85														
44/ 43		.4		.2														3	3	24	41														
42/ 41			.4	.2														3	3	17	45														
40/ 39		.2																1	1	6	47														
38/ 37																				6	28														
36/ 35																				1	27														
34/ 33																					22														
32/ 31																					10														
30/ 29																					11														
28/ 27																					20														
26/ 25																					2														
TOTAL		8.1	9.5	13.5	14.3	15.3	15.3	9.3	7.5	5.0	1.8	.2	.2					496	496	496	496														
Element (X)	Σx²		Σx		X		Σx		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	1592973		26779		34.0		17.243		496		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	1888273		30293		61.1		8.777		496						24.2		11.2		1.3				93												
Wet Bulb	1951038		25710		51.9		5.952		496								.2						93												
Dew Point	253907		21437		43.2		7.358		496						2.1								93												

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

MAY
MON

PAGE 1 1500-1700
-0-43 'L. S. T.'

[illegible]

PSYCHROMETRIC SUMMARY

2000

PAGE 2 1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70

44

PAGE 1 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

55-7c

YEARS

44

~~000-0200~~
#2-885 - 5 - 1

[illegible]

Abstract

10/1/2004

3

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2

USAFETAC

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1

PSYCHROMETRIC SUMMARY

JUN
1997

PAGE 1 C600-0800

0-26.5 (OL A)

0.26.5 (O.L.A)

USAFETAC

PSYCHROMETRIC SUMMARY

123

PAGE 1 0800-1100

PSYCHROMETRIC SUMMARY

35-70

JUN 1964

PAGE 1 1200-1400
HOURS (11, 5, 7)

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34177 STATION NURNBERG GERMANY/FURTH

35-70 YEARS

JUN MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB	WB	Dry Bulb		Wet Bulb, Dew Point															
94/ 98													.2							1	1																
90/ 89												.2	.2	.2						3	3																
88/ 87											.2	.2	.2							3	3																
86/ 85									.2		.4	.4	.2							10	10																
84/ 83									.4	.4	.4	.8								8	8																
82/ 81							.4	.4	3.1	3.3	1.9	.8	.2							30	30																
80/ 79							.4	1.5	.8	1.0	.4									20	20																
78/ 77						.6	.6	1.5	1.7	1.2	1.0	.2								33	33																
76/ 75					.2	.4	.6	2.7	1.2	.6	.2									29	29																
74/ 73				.2	.2	1.0	2.3	1.2	1.7	.2										33	33																
72/ 71				.2	1.0	1.0	2.1	1.5	1.2	.6										37	37	1															
70/ 69			.4	.2	1.5	1.5	2.5	.4	.2											32	32	5															
68/ 67		.2	.4	.8	1.5	.8	1.0	.6	1.0											31	31	20															
66/ 65		.4	.2	1.2	1.5	.8	.4	.4												24	24	46	1														
64/ 63	.2	1.0	.8	2.7	2.3	4.2	1.9	.4	.2											66	66	52	12														
62/ 61		.4	.8	.4	1.2	.8	.4	.2												21	21	66	13														
60/ 59		.4	1.2	.6	1.0	.2	.6													20	20	55	23														
58/ 57		.8	.2	.8	.6	.6	.2													16	16	62	38														
56/ 55		.6	.4	.2	.6	.2	.2													11	11	50	37														
54/ 53		.8	.8	.6	.2	.2														12	12	44	31														
52/ 51	.2	1.0	1.2	.2																13	13	39	63														
50/ 49		.6	.2	.4																6	6	23	56														
48/ 47		.2																		1	1	16	45														
46/ 45																						5	78														
44/ 43																						2	30														
42/ 41																							15														
40/ 39																							14														
38/ 37																							9														
36/ 35																							7														
34/ 33																							5														
32/ 31																							1														
30/ 29																							2														
TOTAL	.4	6.2	7.1	7.5	10.2	13.1	13.1	13.1	12.5	8.1	5.0	2.3	1.0	.2						480	480	480	480														
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	1439911		24931		51.91		17.399		480				≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	2360539		33371		69.5		9.194		480								54.4		35.5		14.1		.2		90												
Wet Bulb	1649780		28014		58.4		5.511		480								4.9								90												
Dew Point	1214982		23042		49.9		6.589		480								.6								90												

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

55-70

PAGE 1 2100-2300
M2-RS-1-5, T-1

[illegible]

PSYCHROMETRIC SUMMARY

55-7c

447

PAGE 1 ~~0900-1100~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/89											.2							1	1																
88/85									.4	.2								3	3																
84/83								.2	.2									2	2																
82/81						.2	1.2	1.2	1.4									19	19																
80/79						.6	.4	.8	.6									12	12																
78/77					.2	.6	1.4	.4	.6									16	16																
76/75					1.2	1.6	1.2	.6										24	24																
74/73				.4	.4	3.2	2.2											30	30																
72/71				.4	2.0	2.6	1.2	.4	.2									34	34	3															
70/69			.4	.8	1.4	1.8	2.2											33	33	12															
68/67			2.0	.8	3.4	1.0	.8											40	40	20															
66/65		.4	.8	1.4	2.2	1.8	1.0											38	38	40	3														
64/63	.4	2.0	2.8	6.5	5.6	1.8		.2										96	96	66	33														
62/61		2.2	1.0	3.2	2.0	.2												43	43	61	36														
60/59	.2	2.2	1.8	2.0	.6	.6												37	37	58	55														
58/57	.2	2.0	1.2	1.6	1.0													30	30	74	59														
56/55		.6	.4	1.2	1.0													16	16	68	55														
54/53	.2	.4	1.8	.4														14	14	38	52														
52/51		.8	.6															7	7	24	52														
50/49				.2														1	1	21	50														
48/47																				9	41														
46/45																				1	40														
44/43																					8														
42/41																					9														
40/39																					3														
TOTAL	1.0	10.7	12.9	19.0	21.2	16.1	11.5	3.8	3.4	.2	.2							496	496	496															

34177
STA-10

NURNBERG GERMANY/FURTH
STATION NAME

55-7c

MOBILE

PAGE 1 1200-1400

PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

PSYCHROMETRIC SUMMARY

34177	NURNBERG GERMANY/FURTH
STAT. GN	STAT. GN NAME

55-70

11

PAGE 1 2100-2300

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/EARTH

55-70

AUG

PAGE 1 0600-0300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7	8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point		
68/ 67			.4																2		2				
66/ 55		.4	1.0	.6															10		10				
64/ 63	.2	7.7	2.2	1.2	.2														57		57	16	10		
62/ 61	.6	6.7	2.0	.2															47		47	40	27		
60/ 59	.3	5.8	1.8	.6															44		44	46	41		
58/ 57	.6	8.2	2.0	.8															59		59	48	38		
56/ 55	1.6	9.7	2.6	.4															71		71	60	59		
54/ 53	1.0	9.1	2.8	.2															63		63	92	59		
52/ 51	.4	8.3	1.0																48		48	68	64		
50/ 49	.2	6.5	.6																36		36	48	56		
48/ 47	1.2	4.2																	27		27	41	60		
46/ 45	.6	3.6																	21		21	21	59		
44/ 43	.2	.4	.2																4		4	7	15		
42/ 41		.4																		2	2	2	2		
40/ 39	.4	.2																	3		3	5	3		
38/ 37																						1	3		
TOTAL	7.7	71.4	16.7	4.0	.2														496		496	496	496		
Element (X)	ΣX^2		ΣX		\bar{X}	s_x	No. Obs.		Mean No. of Hours with Temperature							Total									
Rel. Hum.	3915822		43936		88.6	6.954	496		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	93										
Dry Bulb	1547611		27577		55.6	5.386	496								93										
Wet Bulb	1547597		26677		53.8	5.086	496								93										
Dew Point	1371310		25954		52.4	5.168	496								93										

USAFETAC FORM 0-26-5 (OLA) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

24177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70

AUG
MON

PAGE 1 1200-1400
HOLERS 11-5-71

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70
YEARS

AJC
MONTH

PAGE 1 1500-1700
HOURS L, S, T, I

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.F. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb		Wet Bulb		Dew Point															
94/ 93												.2			.2			3		5																	
92/ 91													.2		.2			2		2																	
90/ 89												.4			.4			5		5																	
88/ 87													.4		.4			4		4																	
86/ 85												.6		1.0		.4		12		12																	
84/ 83												.6		1.2		.2		13		13																	
82/ 81								.4	1.2	2.6	1.8	.4	.2					33		33																	
80/ 79							.6	.4	2.0	1.8	.6	.2						28		28																	
78/ 77					.4	.4	.8	1.2	1.4	.6								24		24																	
76/ 75					.2	.6	1.4	2.0	.6									27		27																	
74/ 73				.2	.2	1.4	2.4	1.2	1.0	.2								33		33																	
72/ 71				.6	.8	.4	2.0	2.6	.6									35		35																	
70/ 69			.4	.2	2.0	1.0	1.8	1.0	1.0	.2								38		38																	
68/ 67			1.4	.4	2.2	2.2	2.4	.4										45		45																	
66/ 65		.2	1.8	2.0	1.2	1.2	1.6	.8										44		44																	
64/ 63	.2	2.2	1.0	2.8	3.2	4.2	1.2	.2										75		75																	
62/ 61		1.4	1.0	1.0	1.8	.2	.4	.2										30		30																	
60/ 59		1.4	1.2	1.4	.4	.2	.2											24		24																	
58/ 57		.8	.6	.8	.2													12		12																	
56/ 55		.6	.4															5		5																	
54/ 53		.6	.2															4		4																	
52/ 51																																					
50/ 49																																					
48/ 47																																					
46/ 45																																					
44/ 43																																					
42/ 41																																					
40/ 39																																					
38/ 37																																					
36/ 35																																					
34/ 33																																					
TOTAL	.2	7.3	8.1	9.5	12.7	12.5	13.1	13.5	10.3	6.7	1.8	1.4	.8	.2				496		496																	
																		496		496																	
Element (X)	Σx²		Σx		Σ		σ²		No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.	1657234		27462		55.4		16.621		496		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	2688908		34696		70.4		8.264		496				56.6	34.5	13.5	.6	93																				
Wet Bulb	1801175		29789		60.1		4.942		496				9.7	.2			93																				
Dew Point	1391862		26106		52.6		6.000		496								93																				

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

55-70

Aug

CASE 1 1800-2000
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

34177	NURNBERG GERMANY/F. 2TH
STATION	STATION NAME

55-70

YEARS

444

PAGE : 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7542

123

PSYCHROMETRIC SUMMARY

34177
STATES

NURNBERG GERMANY - Y/E - 7

55-72

25

$\sigma_2 = 1$

222-252
-OJBS- S. T.

PSYCHROMETRIC SUMMARY

53-75

SECRET

[illegible]

PSYCHROMETRIC SUMMARY

55-7.

353

459

236 :

CC-11
NOV 3 1964

[illegible]

REVENUE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.21-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

55-75

[illegible]

PSYCHROMETRIC SUMMARY

34177 MURNBERG GERMANY

25.7.

CASE

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1990

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PSYCHROMETRIC SUMMARY

55-7-

VS ANG

2-33-1

4545

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

FROM

USAFETAC

PSYCHROMETRIC SUMMARY

34177 NURNBERG GERMANY
STATION STATION NAME

55-7

42495

424

MOJES 22

PSYCHROMETRIC SUMMARY

1557

[illegible]

PSYCHROMETRIC SUMMARY

34177
STAT

NURNBERG SER-3 V 2 1

55-7

YEARS

Abstract

[illegible]

PSYCHROMETRIC SUMMARY

34177 NURNBERG GER - Y F
STATION STATION NAME

35.75

PLANS

424

1000

REVISIONS: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D.26.5 (OL A)

FORM 4-78

USAFETAC

34177
STAT

NURNBERG GERMANY V. 2 - 2

55-7

YEARS

— 34 —

2-47

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

34177
STATIO

NUMBER 25 SEP-74 .Y. 9

25.7

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1997

1-4-23
1-4-23

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D-26-5 (OL A):

FORM 44

USAFETAC

PSYCHROMETRIC SUMMARY

25-2

MCH-1

22-232
MAY 1 1964

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

FORM 1

USAFETAC

PSYCHROMETRIC SUMMARY

44-38861-1

[illegible]

PSYCHROMETRIC SUMMARY

55-70

VIRAL

U.S. DEPARTMENT OF AGRICULTURE

$$\frac{2}{5} - \frac{3}{5} = \frac{2-3}{5} = \frac{-1}{5} = -\frac{1}{5}$$
[illegible]

PSYCHROMETRIC SUMMARY

35.7'

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point									
64/ 63																																							
58/ 57																																							
56/ 55																																							
54/ 53																																							
52/ 51																																							
50/ 49																																							
48/ 47																																							
46/ 45																																							
44/ 43																																							
42/ 41																																							
40/ 39																																							
38/ 37																																							
36/ 35																																							
34/ 33																																							
32/ 31																																							
30/ 29																																							
28/ 27																																							
26/ 25																																							
24/ 23																																							
22/ 21																																							
20/ 19																																							
18/ 17																																							
16/ 15																																							
14/ 13																																							
12/ 11																																							
10/ 9																																							
TOTAL	16.5	62.2	19.3	1.5	.6																						479	479	479	479									

PSYCHROMETRIC SUMMARY

45-7

2000

[illegible]

PSYCHROMETRIC SUMMARY

55-7

STATION

STATION NAME

VFARS

425' N

29-2-23

PSYCHROMETRIC SUMMARY

SS-7

YEARS

554

M-7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
50/ 53			.2																																
52/ 51			.2																																
50/ 49		.4	.5																																
48/ 47		.4	.2																5																
46/ 45	.4	2.6	1.3	.2														2	2	1															
44/ 43	.4	1.6	1.3															1.5	1.5	1.3															
42/ 41	.2	3.6	.2	.2														2	2	1.4															
40/ 39	.2	.6	.2															2	2	2.5															
38/ 37	2.2	4.2	.6															3.5	3.5	3															
36/ 35	1.0	8.1	.2															4.5	4.5	5.1															
34/ 33	1.4	9.1	.2															5.5	5.5	5.6															
32/ 31	1.6	9.3	.4															5.5	5.5	7															
30/ 29	1.2	6.7	.2															4	4	3.5															
28/ 27	5.5	4.2																4.5	4.5	4.5															
26/ 25	2.8	2.8	.2															2.9	2.9	2.5															
24/ 23	1.2	2.4																1.5	1.8	2															
22/ 21	2.2	.2	.2															1.3	1.3	2.4															
20/ 19	3.2	.4																1.3	1.8	1.7															
18/ 17	.8	1.2																1	1.5	1.1															
16/ 15	.6	.4																.5	.5	.7															
14/ 13	.6	.6																.6	.6	.5															
12/ 11	2.2																	1.1	1.1	1.1															
10/ 9	.4	.4																.5	.4	.4															
8/ 7	.8	.2																.5	.5	.4															
6/ 5	.4																	.2	.2	.3															
4/ 3	.8																	.4	.4	.4															
2/ 1	.2																	.1	.1	.1															
0/ -1																																			
-2/ -3																																			
-4/ -5	.6																	.3	.3	.3															
-6/ -7																																			
-8/ -9																																			
TOTAL	31.3	62.6	5.7	.4														495	495	495	495														
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel Hum.	3854064	43590	88.1	7.185	495	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	809489	15155	30.6	9.597	495	.6	51.3					93																							
Wet Bulb	473592	14664	29.6	9.130	495	.5	54.7					93																							
Dew Point	421016	13638	27.6	9.572	495	1.5	65.2					93																							

PSYCHROMETRIC SUMMARY

55-72

YEARS

1421

372-5
HOURS P. M. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53			.2																																
52/ 51																																			
50/ 49		.4	.2																																
48/ 47		.8		.2																															
46/ 45		3.4	.8																																
44/ 43		1.2	1.2																																
42/ 41	.2	4.0	.4	.2																															
40/ 39	.4	2.8																																	
38/ 37	2.8	3.4	.8																																
36/ 35	.8	5.8	.2																																
34/ 33	1.4	9.2	.4																																
32/ 31	1.8	7.9																																	
30/ 29	1.4	6.3																																	
28/ 27	8.3	4.2																																	
26/ 25	2.8	3.0																																	
24/ 23	2.0	1.8																																	
22/ 21	1.8	.8	.2																																
20/ 19	2.4	.4																																	
18/ 17	.2	1.6																																	
16/ 15	1.2	.6																																	
14/ 13	.8	1.2																																	
12/ 11	1.0																																		
10/ 9	2.4	.2																																	
8/ 7	.4																																		
6/ 5	.6																																		
4/ 3	.6																																		
2/ 1	.8																																		
0/ -1	.2																																		
-2/ -3																																			
-4/ -5	.2																																		
-8/ -9																																			
TOTAL	34.7	59.9	5.0	.4														496	496	496	1														
Element (X)	Σx²		Σx		Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature																	
Rel. Hum.	3897193		43823		88.4	7.150	496	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb	497422		14932																																

City Council

82

YEARS

— 4 —
MCH =

MOUSE 1 5 2

USAFETAC FORM 0-26-5 (O1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

55-7.

YEARS

45974

$$2. - 2 : \frac{222-142}{42195.1 \text{ g. l.}}$$

USAFETAC

PSYCHROMETRIC SUMMARY

55-1

YEARS

22

152-172

PSYCHROMETRIC SUMMARY

YEARS

4247H

100

132-20

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

429

215-22-
4-5-5-5

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DAY-BULB TEMPERATURES DEG F FROM 1951-1970

34177 NURNBERG GERMANY/FORT-

55-70

STATION		STATION NAME												YEARS	
HRS 15"		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	27.8	29.1	34.2	41.9	48.6	55.4	57.5	56.5	51.6	44.3	37.3	31.5	43.8	
	S D	10.013	10.703	8.277	7.449	7.536	6.075	5.536	5.483	5.511	7.493	7.400	9.597	13.177	
	TOTAL OBS	496	452	496	475	496	480	496	496	480	496	480	496	5844	
03-05	MEAN	27.3	28.1	32.8	39.9	46.0	52.5	55.4	54.7	49.5	43.1	36.7	30.1	41.1	
	S D	10.305	11.335	8.827	7.063	6.856	6.154	5.630	5.544	6.867	7.893	7.564	9.834	12.783	
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5844	
06-08	MEAN	26.9	27.5	32.0	40.3	48.9	56.2	58.0	55.5	50.8	42.3	36.7	29.8	42.1	
	S D	10.615	11.821	9.108	7.195	6.399	5.859	5.372	5.385	7.247	8.089	7.577	9.910	13.561	
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5844	
09-11	MEAN	28.1	30.4	37.8	45.5	57.1	64.1	66.3	64.1	58.4	48.4	38.9	30.8	47.8	
	S D	9.855	10.677	8.432	8.322	7.463	7.690	7.481	6.334	6.337	5.957	7.088	9.430	15.639	
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	479	496	5844	
12-14	MEAN	32.2	35.8	43.5	52.3	61.1	68.1	71.7	68.9	64.7	55.1	42.5	34.3	52.0	
	S D	8.450	9.689	9.276	9.875	8.777	9.173	8.371	7.924	7.354	7.955	7.525	8.323	16.231	
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	479	496	5844	
15-17	MEAN	35.0	37.1	45.2	54.9	62.5	69.5	72.1	70.4	66.2	56.5	42.8	34.3	53.3	
	S D	9.046	9.378	9.495	10.027	9.191	9.194	9.233	8.264	7.933	8.241	7.317	8.000	16.575	
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5844	
18-20	MEAN	30.1	33.0	40.7	51.7	60.1	67.2	69.9	67.0	60.5	49.6	39.5	31.9	50.2	
	S D	8.728	9.524	8.322	9.343	8.596	8.685	8.705	7.393	6.542	6.959	6.975	8.796	16.274	
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5844	
21-23	MEAN	28.7	30.5	36.4	45.1	52.3	59.4	61.9	59.8	54.6	46.3	38.0	31.1	45.4	
	S D	9.442	9.976	7.922	7.783	6.943	6.419	6.339	5.638	5.358	7.134	7.246	9.355	13.993	
	TOTAL OBS	496	452	496	480	496	480	496	496	450	496	480	496	5844	
ALL HOURS	MEAN	29.3	31.4	37.8	47.0	54.6	61.6	64.0	62.1	56.8	48.2	39.1	31.6	47.0	
	S D	9.704	10.892	9.853	10.109	9.774	9.678	9.561	8.799	8.375	9.083	7.693	9.321	15.563	
	TOTAL OBS	3968	3615	3968	3839	3968	3840	3967	3966	3840	3968	3839	3967	46747	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAW

MEANS AND STANDARD DEVIATIONS

ST-BULB TEMPERATURES DEG F PER HOURLY OBSERVATION

34177 NURNBERG GERMANY/FORTH

55-70

STATION

STATION NAME

YEARS

HR S	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	26.9	26.0	32.0	35.0	47.2	52.3	55.3	54.0	49.0	43.0	35.0	28.0	20.0	40.0
	S D	9.584	10.231	7.845	5.972	5.258	5.443	5.197	5.040	5.147	7.127	6.740	9.100	12.470
	TOTAL OBS	496	452	496	479	496	480	496	496	480	496	480	496	5944
03-05	26.4	27.2	31.5	35.0	44.4	50.6	53.6	53.0	48.0	41.0	35.0	28.0	20.0	40.0
	S D	9.873	10.662	8.375	6.561	5.465	5.826	5.299	5.300	6.642	7.479	7.000	9.300	12.500
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5944
06-08	26.0	26.8	30.8	35.5	46.5	53.2	55.4	53.9	47.0	40.0	35.0	28.0	20.0	40.0
	S D	10.209	11.356	8.702	6.735	5.867	5.278	4.819	5.084	6.970	7.754	7.100	9.400	12.930
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5944
09-11	27.1	29.1	35.0	43.7	50.6	55.6	59.1	58.4	53.9	45.9	37.0	29.0	20.0	40.0
	S D	9.431	10.165	7.837	5.787	5.725	5.621	5.192	4.596	5.217	6.331	6.492	8.984	13.460
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	479	496	5944
12-14	30.2	32.8	38.3	45.7	51.9	57.8	60.1	59.7	56.5	45.5	39.7	32.4	20.0	40.0
	S D	7.891	8.850	7.534	7.197	5.952	5.760	5.314	5.049	5.344	6.266	6.462	7.760	12.639
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	479	496	5944
15-17	30.6	33.6	39.2	46.3	52.5	58.4	60.6	60.1	57.0	45.2	39.7	32.4	20.0	40.0
	S D	7.554	8.435	7.479	6.954	5.929	5.561	5.207	4.942	5.429	6.441	6.462	7.548	12.330
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5944
18-20	28.8	31.1	37.0	45.3	51.8	57.9	60.3	59.4	55.4	45.9	37.7	30.7	20.0	40.0
	S D	8.315	8.859	7.416	6.844	5.847	5.518	5.195	4.987	5.589	6.451	6.469	8.327	13.212
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5944
21-23	27.6	29.2	34.3	42.0	48.6	53.3	57.6	56.4	52.0	44.5	35.5	25.0	20.0	40.0
	S D	9.032	9.548	7.405	6.851	5.842	5.295	5.093	4.859	5.322	6.680	6.689	8.528	12.773
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5944
ALL HOURS	28.0	29.7	34.9	42.5	49.1	55.3	57.8	56.9	52.5	45.4	37.3	30.2	20.0	40.0
	S D	9.176	10.106	8.368	7.516	6.636	6.133	5.740	5.551	6.871	7.522	6.373	9.786	13.048
	TOTAL OBS	3967	3615	3968	2839	3968	3840	3967	3968	3540	3968	3839	2967	46748

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

POINT TEMPERATURES SET A FRY WOLLY 353 AT 1

34177 NURNBERG GERMANY/FORT-

55-70

STATION

STATION NAME

YEARS

MRS LST.	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	S D	24.6	25.4	29.8	37.1	43.8	50.5	53.3	52.8	45.2	41.0	34.3	27.4	39.4
	TOTAL OBS	10.073	11.018	8.545	7.325	6.334	5.654	5.272	5.158	6.314	7.243	6.942	9.572	12.344
		496	452	496	479	496	480	496	496	480	496	480	496	5342
03-05	MEAN	24.2	24.9	29.1	36.1	42.7	49.2	52.1	51.3	46.9	42.7	33.9	27.1	38.1
	S D	10.379	11.507	8.923	7.007	6.581	6.005	5.375	5.377	6.735	7.494	7.104	9.872	12.757
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5342
06-08	MEAN	23.8	24.5	28.6	36.5	44.1	50.6	53.4	52.3	46.5	40.2	34.0	26.5	37.5
	S D	10.733	11.862	9.222	7.346	6.116	5.552	4.969	5.165	7.009	7.833	7.315	9.907	13.207
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5342
09-11	MEAN	24.3	26.1	30.9	38.1	44.4	50.8	53.9	54.2	50.2	43.3	35.1	27.6	40.1
	S D	10.083	11.047	8.883	7.574	6.845	6.263	5.594	5.137	5.735	6.673	6.700	9.552	13.089
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	479	496	5342
12-14	MEAN	26.3	27.6	31.1	37.3	43.2	49.9	52.6	53.1	49.9	44.2	35.8	29.1	40.1
	S D	8.915	10.286	9.019	8.537	7.358	6.630	5.887	5.950	6.525	7.007	6.894	9.617	12.387
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	479	496	5342
15-17	MEAN	26.6	27.7	31.3	36.9	43.2	49.9	52.6	52.8	49.7	44.2	35.9	29.1	40.1
	S D	8.822	10.121	9.086	8.445	7.512	6.585	5.833	6.000	6.844	7.394	7.078	9.406	12.298
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5342
18-20	MEAN	26.0	27.4	31.5	38.2	44.2	50.8	53.6	54.0	51.4	44.3	35.4	28.3	40.5
	S D	9.037	10.192	8.903	8.178	7.148	6.423	5.883	5.868	6.329	6.970	6.844	9.651	12.746
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5342
21-23	MEAN	25.2	26.4	30.6	36.4	45.1	51.9	54.5	53.9	49.7	42.6	34.6	27.8	40.1
	S D	9.585	10.472	8.246	7.371	6.367	5.642	5.376	5.162	6.218	6.904	6.903	9.289	12.946
	TOTAL OBS	496	452	496	480	496	480	496	496	480	496	480	496	5342
ALL HOURS	MEAN	25.2	26.3	30.0	37.3	43.8	50.5	53.3	53.1	48.1	42.6	34.9	27.9	39.6
	S D	9.766	10.881	8.906	7.740	6.830	6.154	5.576	5.545	6.657	7.357	7.007	9.294	12.308
	TOTAL OBS	3967	3616	3968	3839	3968	3840	3967	3968	3840	3968	3835	3967	46746

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.9	99.4	97.7	89.8	73.5	36.4	84.5	3967
FEB		100.0	100.0	100.0	99.2	97.0	91.8	81.0	63.4	33.5	81.6	3616
MAR		100.0	100.0	99.4	96.6	90.4	81.2	66.5	49.8	24.0	75.9	3968
APR		100.0	100.0	98.0	91.4	82.1	72.1	59.2	43.1	20.1	71.8	3839
MAY		100.0	99.9	97.8	89.8	78.6	68.0	56.8	39.5	18.0	70.1	3968
JUN		100.0	100.0	98.6	90.8	79.0	65.5	55.6	37.1	16.1	69.7	3840
JUL		100.0	100.0	98.8	91.9	81.4	68.1	56.6	38.8	17.2	70.8	3967
AUG		100.0	100.0	99.5	95.6	86.6	75.0	64.2	46.9	23.1	74.5	3968
SEP		100.0	100.0	99.5	96.9	91.0	80.6	70.0	52.1	29.5	77.3	3840
OCT		100.0	100.0	99.8	99.1	96.0	89.6	81.0	64.5	39.5	82.3	3968
NOV		100.0	100.0	100.0	99.9	99.3	96.6	88.0	73.3	42.4	85.1	3838
DEC		100.0	100.0	100.0	100.0	99.7	98.7	93.8	78.1	42.1	86.1	3967
TOTALS		100.0	100.0	99.3	95.9	90.0	82.1	71.9	55.0	28.5	77.5	46748

RELATIVE HUMIDITY

JAN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	96.0	84.5	46.6	87.3	496
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.4	85.7	48.8	87.9	496
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	97.6	85.9	47.4	87.5	496
	09-11	100.0	100.0	100.0	100.0	99.8	99.6	96.0	80.4	40.6	86.4	495
	12-14	100.0	100.0	100.0	100.0	97.8	92.9	73.6	49.4	18.3	78.7	496
	15-17	100.0	100.0	92.8	99.0	97.6	91.5	70.0	47.6	15.9	77.5	496
	18-20	100.0	100.0	100.0	100.0	100.0	98.2	91.5	73.8	31.5	84.4	496
	21-23	100.0	100.0	100.0	100.0	100.0	99.8	94.2	80.6	40.5	86.4	496
TOTALS		100.0	100.0	100.0	99.9	99.4	97.7	89.8	73.5	36.4	84.5	3967

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34177 STATION NURNBERG GERMANY/FURTH 55-70 PERIOD FEB MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	98.0	93.1	79.0	42.3	86.0	452
	03-05	100.0	100.0	100.0	100.0	99.8	93.2	95.1	82.5	50.2	87.4	452
	06-08	100.0	100.0	100.0	100.0	99.8	99.3	96.0	84.7	52.7	88.2	452
	09-11	100.0	100.0	100.0	100.0	99.3	98.0	89.2	66.6	33.0	83.8	452
	12-14	100.0	100.0	100.0	97.8	92.9	80.1	56.9	35.2	11.7	72.8	452
	15-17	100.0	100.0	99.6	96.0	87.5	71.9	48.2	31.0	12.2	70.0	452
	18-20	100.0	100.0	100.0	99.8	97.1	92.3	79.9	56.6	27.0	80.2	452
	21-23	100.0	100.0	100.0	100.0	99.3	96.9	89.4	71.2	38.5	84.7	452
TOTALS		100.0	100.0	100.0	99.2	97.0	91.8	81.0	63.4	33.3	81.6	3416

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34177 NURNBERG GERMANY/FURTH
STATION STATION NAME

55-70
PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.8	99.6	97.8	88.7	70.2	34.1	84.1	496
	02-05	100.0	100.0	100.0	100.0	99.6	99.2	92.7	76.2	43.3	86.1	496
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	95.2	80.2	47.2	86.9	496
	09-11	100.0	100.0	100.0	99.8	97.6	88.9	64.9	42.3	15.7	76.2	496
	12-14	100.0	100.0	99.0	90.9	74.2	52.8	33.7	20.0	7.1	63.2	496
	15-17	100.0	100.0	96.2	84.9	64.3	45.2	29.6	18.1	6.3	59.8	496
	18-20	100.0	100.0	100.0	97.4	89.1	71.8	48.4	34.1	11.9	70.8	496
	21-23	100.0	100.0	100.0	99.8	98.8	94.8	78.6	57.1	26.4	80.4	496
TOTALS		100.0	100.0	99.4	96.6	90.4	81.2	66.5	49.8	24.0	75.9	3968

RELATIVE HUMIDITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

35-70

PERIOD

APR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	99.0	95.8	86.4	68.3	31.5	83.2	479
	03-05	100.0	100.0	100.0	100.0	99.6	98.1	91.9	77.7	42.7	86.0	480
	06-08	100.0	100.0	100.0	100.0	100.0	98.5	92.3	77.9	44.2	86.4	480
	09-11	100.0	100.0	99.8	97.3	85.6	69.8	42.9	26.5	8.1	68.2	480
	12-14	100.0	100.0	95.6	78.3	57.5	39.0	26.7	14.4	4.2	57.0	480
	15-17	100.0	99.8	90.4	69.2	49.6	35.2	23.5	10.6	2.5	53.5	480
	18-20	100.0	100.0	97.9	87.1	70.4	52.9	35.4	20.0	6.9	62.3	480
	21-23	100.0	100.0	100.0	99.6	94.8	87.7	74.4	49.0	20.6	77.9	480
TOTALS		100.0	100.0	98.0	91.4	82.1	72.1	59.2	43.1	20.1	71.8	3839

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34377
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.4	95.8	89.1	70.0	33.9	83.9	496
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	96.4	84.9	51.2	88.2	496
	06-08	100.0	100.0	100.0	100.0	100.0	97.2	91.1	66.9	27.8	83.6	496
	09-11	100.0	100.0	100.0	93.3	78.4	57.5	36.7	15.1	5.6	63.8	496
	12-14	100.0	99.8	95.4	75.8	49.8	33.7	20.6	9.7	2.4	54.0	496
	15-17	100.0	99.6	90.1	66.3	46.4	31.3	18.8	9.3	2.2	51.9	496
	18-20	100.0	100.0	96.8	81.5	58.7	41.7	28.8	16.1	4.2	58.1	496
	21-23	100.0	100.0	100.0	99.8	95.8	87.1	72.6	46.0	16.9	77.0	496
TOTALS		100.0	99.9	97.8	89.8	78.6	68.0	56.8	39.5	18.0	70.1	3968

RELATIVE HUMIDITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70

JLA
MONI

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.4	97.1	91.9	68.1	29.2	83.9	480
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	94.9	85.4	48.1	68.2	480
	06-08	100.0	100.0	100.0	100.0	100.0	97.3	89.2	54.4	19.6	81.6	480
	09-11	100.0	100.0	100.0	96.9	81.0	49.0	29.8	14.2	5.2	63.1	480
	12-14	100.0	100.0	96.7	77.7	49.2	28.1	20.4	12.3	4.2	34.4	480
	15-17	100.0	99.8	93.5	70.0	45.0	26.3	17.5	8.5	3.3	51.9	480
	18-20	100.0	100.0	93.3	82.3	59.8	38.3	27.7	13.8	4.2	47.9	480
	21-23	100.0	100.0	100.0	99.8	97.7	89.0	71.5	39.8	15.0	76.7	480
TOTALS		100.0	100.0	98.6	90.8	79.0	65.5	55.6	37.1	16.1	69.7	3540

RELATIVE HUMIDITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70

INDEX

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MONI

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	98.6	94.0	71.6	32.7	85.2	496
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.0	84.0	49.5	88.7	495
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	94.2	67.9	26.0	84.5	496
	09-11	100.0	100.0	100.0	97.6	86.1	60.3	34.9	15.5	5.2	65.5	496
	12-14	100.0	100.0	98.2	80.2	54.0	29.0	16.3	8.3	3.0	54.5	496
	15-17	100.0	99.8	95.4	72.4	49.0	27.4	16.1	6.9	2.4	52.4	496
	18-20	100.0	100.0	97.0	85.1	66.1	39.1	24.8	12.9	4.8	58.3	496
	21-23	100.0	100.0	100.0	99.8	98.2	90.9	74.8	43.1	14.1	77.4	496
TOTALS		100.0	100.0	98.8	91.9	81.4	66.1	56.6	38.8	17.2	70.8	3967

RELATIVE HUMIDITY

55-70

AUG

STATION

STATION NAME

1102

MONITOR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	98.6	95.6	78.2	39.5	86.7	495
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.6	90.1	54.6	69.6	496
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.2	85.5	46.6	88.6	495
	09-11	100.0	100.0	100.0	100.0	95.0	75.2	51.8	25.8	9.9	71.2	496
	12-14	100.0	100.0	99.2	89.3	64.5	39.9	27.2	12.1	2.8	52.9	496
	15-17	100.0	100.0	97.6	80.6	53.4	33.3	20.2	10.7	2.6	55.4	496
	18-20	100.0	100.0	99.4	95.2	80.0	56.7	36.1	17.9	6.0	64.4	496
	21-23	100.0	100.0	100.0	100.0	99.8	96.2	86.1	55.2	22.6	81.3	496
TOTALS		100.0	100.0	99.5	95.6	86.6	75.0	64.2	46.9	23.1	74.5	3968

RELATIVE HUMIDITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70

SEP
1951

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.4	96.7	82.5	48.1	88.1	480
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.0	92.3	61.9	90.7	480
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	66.0	91.6	480
	09-11	100.0	100.0	100.0	100.0	97.9	86.9	65.2	30.2	14.0	74.9	480
	12-14	100.0	100.0	96.2	91.7	73.8	63.3	24.2	9.2	4.0	59.8	480
	15-17	100.0	100.0	97.1	85.4	63.3	36.3	21.7	10.2	4.4	57.0	480
	18-20	100.0	100.0	100.0	98.3	93.1	83.3	63.1	27.3	7.7	72.7	480
	21-23	100.0	100.0	100.0	100.0	99.6	95.6	90.4	69.6	29.8	83.7	480
TOTALS		100.0	100.0	99.5	96.9	91.0	80.6	70.0	52.1	29.5	77.3	3840

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

55-70
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.4	97.8	89.7	60.9	92.0	496
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.2	93.3	70.0	91.5	496
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.0	93.8	72.6	92.1	496
	09-11	100.0	100.0	100.0	100.0	99.4	96.8	86.9	59.7	30.4	82.9	496
	12-14	100.0	100.0	99.4	97.2	88.3	67.9	45.8	22.0	7.7	68.0	496
	15-17	100.0	99.3	98.8	95.8	81.7	58.9	38.2	16.3	5.2	64.9	496
	18-20	100.0	100.0	100.0	99.8	98.6	95.8	97.1	65.1	23.2	82.0	496
	21-23	100.0	100.0	100.0	100.0	99.6	98.2	94.0	80.6	45.8	87.1	496
TOTALS		100.0	100.0	99.8	99.1	96.0	89.6	81.0	64.3	39.3	82.3	3968

RELATIVE HUMIDITY

34177
STATION

NURNBERG GERMANY/FURTH
STATION NAME

53-70

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42

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	95.2	86.0	60.0	89.0	480
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	96.0	88.5	60.6	99.5	480
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	96.7	87.3	61.9	89.7	480
	09-11	100.0	100.0	100.0	100.0	100.0	99.0	93.5	75.0	39.9	86.0	479
	12-14	100.0	100.0	100.0	99.4	96.7	88.1	67.2	45.7	17.3	76.7	479
	15-17	100.0	100.0	100.0	99.4	98.1	89.2	68.8	46.5	16.0	77.0	480
	18-20	100.0	100.0	100.0	100.0	99.8	98.1	91.7	75.4	35.0	85.2	480
	21-23	100.0	100.0	100.0	100.0	100.0	99.0	95.0	81.3	48.1	87.4	480
TOTALS		100.0	100.0	100.0	99.9	99.3	96.6	88.0	73.3	42.4	85.1	3838

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RELATIVE HUMIDITY

34177	NURNBERG GERMANY/FURTH
STATION	STATION NAME

35-70

4405

SECRET

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	02-02	100.0	100.0	100.0	100.0	100.0	99.4	97.6	86.7	50.3	35.1	495
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	98.0	87.3	52.0	28.4	495
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	95.2	89.1	55.7	39.0	495
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	97.2	82.7	46.2	37.4	495
	12-14	100.0	100.0	100.0	99.8	99.0	95.2	82.7	58.3	22.0	30.8	495
	15-17	100.0	100.0	100.0	99.8	99.4	96.4	84.5	58.7	24.6	31.5	495
	18-20	100.0	100.0	100.0	100.0	99.6	99.4	95.6	79.2	39.7	26.2	495
	21-23	100.0	100.0	100.0	100.0	99.8	99.6	96.4	83.1	45.6	37.1	495
TOTALS		100.0	100.0	100.0	100.0	99.7	98.7	93.8	78.1	42.1	35.1	3957

DATA PROCESSING DIVISION
ETW/CMF
AIR CARRIER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury - DATA NOT AVAILABLE
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.

